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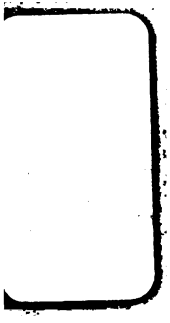

...y Comptroller.
Jan 27, 1897

MINUTES

OF THE

AQUEDUCT COMMISSIONERS,

1896.

VOLUME 12.

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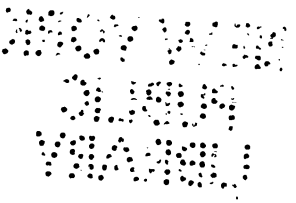


AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, January 8, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works, and Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10755 to 10765, inclusive, amounting to $667.89, and of estimates contained in Vouchers Nos. 10766 to 10769, inclusive, amounting to $41.334.29.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment, viz. :

1st. Of Coldwell-Wilcox Company, for furnishing and placing two iron brackets for New Croton Gate-house, amounting to $40.01.

2d Two bills of Mrs. John J. Hanney, for washing towels and eight days' use of horse, amounting to $17.

3d. Of Skinner & Connolly, for tools, etc., for machinists at Carmel Dams, amounting to $28.22.

4th. Of William James, for board, etc., amounting to $26.49.

5th. Of Bert Tompkins, for board, amounting to $14.24.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That a voucher be and hereby is ordered drawn in favor of the Town of Southeast, Putnam County, N. Y., for three hundred dollars ($300), being the amount agreed upon by which the new roads built by the City of New York around the Brewster Reservoir are to be transferred to the Highway Commissioners of said town, and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—The Commissioner of Public Works, and Commissioners Duane, Tucker, Cannon and Green—5.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, Robert H. Jacobs, now employed as Axeman in the Engineer Corps of the Aqueduct Commissioners, be and hereby is appointed Rodman in said Corps, at a salary of $75 per month, he having been certified by the New York City Civil Service Boards as eligible for such appointment, the same to take effect from and after this date ; and said Jacobs is hereby transferred from the New Croton Dam Division to the Jerome Park Reservoir.

On motion of Commissioner Cannon, the same was adopted.

The Committee presented the following communication, received from the Chief Engineer :

NEW YORK, January 8, 1896.

To the Honorable the Committee on Construction :

GENTLEMEN—Mr. Edward Wegman, Jr., Division Engineer, informs me that, owing to the recent death of his father, his name will hereinafter be "Edward Wegmann."

Yours respectfully, A. FTELEY, Chief Engineer.

On motion of Commissioner Cannon, the same was ordered spread upon the minutes and filed.

The Committee also recommended the adoption of the following resolutions :

Resolved, That the accompanying bill for taxes for the year 1895, due School District No. 9, Town of Greenburgh, Westchester County, N. Y., amounting to $10.12, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895, due School District No. 6, Town of Kent, Putnam County, N. Y., amounting to $30.47, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Cannon, the same were adopted.

The Committee also presented a communication, received from the Secretary, reporting that the sum of $1,164.28 had been received from Division Engineer Alfred Craven, being net proceeds of sale of buildings, parts of buildings, sheds, etc., standing within the flow-line of Reservoir "D," on the West Branch of Croton River, near Carmel, Putnam County, New York, and stating that said amount had been transmitted by him to the City Chamberlain, for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Green, the same was ordered filed.

Pursuant to the By-laws, on motion of Commissioner Cannon, Gen. James C. Duane was elected President, and, on motion of Commissioner Green, Mr. John J. Tucker was elected Vice-President of the Aqueduct Commissioners for the ensuing year.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, January 15, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10773 to 10787, inclusive, amounting to $4,269.58, and of estimate contained in Voucher No. 10772, amounting to $4,066.10.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following preamble and resolution:

Whereas, Application has been made by John Flanagan & Son, contractors, for an extension of time in which to complete their contract for constructing highways or roads and their appurtenances, etc., at Reservoir "D," in the Towns of Carmel and Kent, Putnam County, New York, and the Chief Engineer having recommended that an extension of time to March 1, 1896, be granted; therefore

Resolved, That the Aqueduct Commissioners hereby grant to John Flanagan & Son, contractors, an extension of time to March 1, 1896, in which to complete the contract above referred to, providing their bondsmen shall, within ten days from the date hereof, enter into stipulations continuing their obligations for and during the completion of said contract under said extension of time, which is hereby allowed to them as further time for the performance of said contract.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, Application has been made by Patrick F. Curran, contractor, for an extension of time in which to complete his contract for completing highways or roads, etc., crossing the East

Branch of Reservoir "D," in the Town of Kent, Putnam County, New York, and the Chief Engineer having recommended that an extension of time to March 1, 1896, be granted; therefore

Resolved, That the Aqueduct Commissioners hereby grant to Patrick F. Curran, contractor, an extension of time to March 1, 1896, in which to complete the contract above referred to, providing his bondsmen shall, within ten days from the date hereof, enter into stipulations continuing their obligations for and during the completion of said contract under said extension of time, which is hereby allowed to him as further time for the performance of said contract.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the name of Richard S. Gillespie, now entered on the weekly pay-roll as Foreman at five dollars per day, be and hereby is ordered entered on the monthly pay-roll at a salary of eighteen hundred dollars per annum, the same to take effect from and after this date.

On motion of Commissioner Green, the same was adopted.

The Committee presented a communication, received from the Secretary, reporting that the sum of $54.35 had been received from Division Engineer Charles S. Gowen, being net proceeds of sale of horses and harness belonging to the City of New York, and stating that said amount had been transmitted by him to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the same was ordered filed.

The Comptroller, under date of November 30, 1895, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners for—

Cornell Dam	$12,549 59
Reservoir "M"	75 00
Katonah Triangle	238 00
Jerome Park Reservoir	141 66
New Aqueduct	360 00
Croton Falls	150 00

—leaving a balance to the credit of the "Additional Water Fund" of $83,989.38; and stating that on November 29, 1895, bonds were issued for the credit of the "Additional Water Fund" amounting to $100,000.

And, under date of December 31, 1895, also gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners for—

Jerome Park Reservoir	$1,215 09
Reservoir "D"	5,342 95
Cornell Dam	5,585 00
Reservoir "M"	2,441 54

Croton Falls	$1,886 85
Jerome Park, etc	1,091 00

—leaving a balance to the credit of the "Additional Water Fund" of $78,377.66.

Which was ordered entered upon the books of the Commissioners and filed.

The Secretary presented the following :

WHITE PLAINS, N. Y., January 8, 1896.

EDWARD L. ALLEN, Esq., *Secretary, etc.:*

DEAR SIR—I would respectfully advise you that it appears from a report of the Law Department to his Honor, the Mayor, that during the year 1895 there were five hundred and twenty-four cases in process of trial relative to the water supply of the City of New York, involving in the aggregate claims amounting to $8,052,207.60. That during the year 1895, exclusive of that portion of Katonah north of Main street, in which the evidence has been completed, claims to the extent of $1,688,548.39 were presented and proven before the Commissioners for which the sum of $630,600.53 has been allowed, making a net reduction in favor of the City of $1,057,947.86 in the cases closed ; and that in addition to the proceedings set forth in said report the question of assessed values and taxes of upwards of 8,000 acres of land has been presented and passed upon. Of this saving of $1,057,947.86 the sum of $453,386.25 has been saved in proceedings instituted by the Aqueduct Commissioners under chapter 490 of the Laws of 1883.

In addition to this, the proceedings known as the Third Supplemental Cornell Dam has been closed, so far as introducing evidence, preparation of brief and argument is concerned ; claims against the City of $337,887 are now before the Commissioners of Appraisal for adjudication.

In the proceedings known as the New Croton Dam, Cornell Site, Croton Falls Section, eighteen claims have been filed against the City, amounting to $286,543, and testimony on behalf of the claimants is closed, with the exception of one or two claims.

In Reservoir "D," which is in charge of your Commission, the proceedings are progressing, with the exception of a slight delay in the acquisition of six or eight parcels. Forty-six claims have been filed, amounting to $504,588.

Reservoir "M" is closed with the exception of the claim of the Town of North Salem for highways.

In Katonah and Golden's Bridge Sections maps have been filed and the City will become vested with the titles to 112 new parcels of real estate by the middle of March.

In the Jerome Park proceedings satisfactory progress is being made, 95 claims having been filed against the City, amounting to $4,389,130. The claimants are now engaged in presenting their evidence.

In addition to the above there are in process of acquisition, on behalf of your Commission, lands at Double Reservoir "I," Putnam County, and the balance of the Cornell Dam.

I am, sir, yours respectfully, H. T. DYKMAN.

On motion of Commissioner Green, the same was ordered spread upon the minutes and filed.

Pursuant to the by-laws, on motion of Commissioner Cannon, the Standing Committees of the Aqueduct Commissioners, as now constituted, were elected for the current year.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, January 22, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works and Commissioners Duane, Cannon and Green.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That an extension of time to January 22, 1896, be and hereby is granted to Coleman and Washburn & Washburn, assignees of Michael S. Coleman, in which to complete the contract made by said Coleman with this Commission on September 19, 1890, for building an auxiliary earth and masonry dam, for Reservoir "D," in the Town of Carmel, Putnam County, N. Y.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, The Chief Engineer of this Commission, under date of January 22, 1896, certified that, in his opinion, Coleman and Washburn & Washburn, assignees of Michael S. Coleman, have completely performed and carried out the provisions of the contract made by him with this Commission on the 19th day of September, 1890, and assigned to Coleman and Washburn & Washburn, for building an auxiliary earth and masonry dam, for Reservoir "D," in the Town of Carmel, Putnam County, N. Y., and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said contract, and of the true value thereof; therefore be it

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by Coleman and Washburn & Washburn, assignees of Michael S. Coleman, under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said contract be approved by the Commissioners and certified to the Comptroller for payment.

The same were adopted by the following vote:

Affirmative—The Commissioner of Public Works and Commissioners Duane, Cannon and Green—4.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, Application has been made by John Fox, contractor, for an extension of time in which to complete his contract for furnishing three metal sluice-gates, with their hoisting apparatus and other appurtenances, and placing the same in the gate-houses of the main and auxiliary dams near Carmel, Putnam County, N. Y., and the Chief Engineer having recommended that an extension of time to March 1, 1896, be granted ; therefore

Resolved, That the Aqueduct Commissioners hereby grant to John Fox, contractor, an extension of time to March 1, 1896, in which to complete the contract above referred to, providing the said contractor will execute a stipulation in writing to the effect that he will waive all claims for damages on account of the raising of the water behind said Carmel Dams.

The same was adopted by the following vote :

Affirmative—The Commissioner of Public Works and Commissioners Duane, Cannon and Green—4.

The Committee presented a communication received from the Secretary, reporting that the sum of $27.50 had been transmitted by him to the City Chamberlain, for the credit of the "Additional Water Fund," said amount being proceeds of sale of reports of the Aqueduct Commissioners (1887–1895), and stating that his receipt therefor was on file.

On motion of Commissioner Cannon, the same was ordered filed.

The Secretary presented an abstact of trial balance, showing the expenditures of the Aqueduct Commission from its inception to and including December 31, 1895.

On motion of Commissioner Cannon, the same was received and ordered spread upon the minutes, as follows :

Abstract of Trial Balance, December 31, 1895.

Commissioners' Office.		
Salaries of Commissioners	$284,602 06	
Salaries of Secretary and employees	169,319 16	
Stationery	4,870 43	
Furniture and fixtures	3,432 26	
Rent	51,127 60	
Incidental expenses	8,498 40	
Books, maps and drawings	746 05	
Traveling expenses	2,070 26	
Advertising	32,631 49	
Stenographic reports	4,334 29	
		$561,632 00

Chief Engineer's Office.		
Salaries of Engineers, etc	$550,019 69	
Stationery	7,469 51	
Furniture and fixtures	4,657 69	
Rent	60,126 15	
Incidental expenses	9,166 55	
Books, maps and drawings	22,829 21	
Consulting Engineer's fees	100 00	
Drawing instruments, tables and materials	4,740 79	
Testing machines and tests	8,211 81	
		$667,322 40
Tarrytown Office.		
Salaries of Engineers	$57,692 24	
Stationery	1,180 41	
Furniture and fixtures	750 25	
Rent	6,600 00	
Incidental expenses	4,227 91	
Books, maps and drawings	92 82	
Drawing instruments, tables and materials	1,127 78	
Laborers on the line	2,703 17	
Drivers and Laborers	19,989 03	
Field instruments and implements	8,791 99	
Traveling expenses	4,094 53	
Harness and stable fittings	2,051 20	
Maintenance—Horses and wagons	11,122 82	
Horses	3,573 00	
Wagons	1,518 00	
Hire of horses and wagons	2,947 25	
		128,462 39
Division Engineers.		
Salaries of Engineers and Laborers, old account	$154,834 84	
Salaries of Engineers and Laborers, new account	1,718,244 89	
Stationery	7,917 19	
Furniture and fixtures	5,924 18	
Rent	26,980 63	
Incidental expenses	18,887 75	
Books, maps and drawings	645 47	
Drawing instruments, tables and materials	3,833 36	
Field instruments and implements	18,747 70	
Traveling expenses	9,721 50	
Harness and stable fittings	2,560 78	

Maintenance—Horses and wagons	$20,912 58	
Horses	3,750 00	
Wagons	2,551 00	
Heating headquarters	12,244 83	
Hire of horses and wagons	2,604 60	
Testing machines and tests	3,328 02	
Laborers on the line	15 75	
Auxiliary offices	4,187 12	
		$2,017,892 20
Croton Lake Survey.		
Salaries of Engineers and Laborers	$39,620 04	
Incidental expenses	17 34	
Field instruments and implements	583 16	
Traveling expenses	340 92	
Hire of horses and wagons	130 25	
Maintenance—Horses and wagons	51 60	
Rent	24 00	
Harness and stable fittings	45	
Drawing instruments, tables and materials	1 00	
		40,768 76
New Reservoir Survey.		
Salaries—Engineers and Laborers	$9,588 00	
Drawing instruments, tables and materials	25 68	
Field instruments and implements	434 31	
Furniture and fixtures	6 38	
Traveling expenses	8 54	
Stationery	3 91	
Incidental expenses	52 06	
		10,118 88
Sodom Dam Survey.		
Salaries—Engineers and Laborers	$7,072 68	
Maintenance—Horses and wagons	2 00	
Field instruments and implements	86 49	
Hire of horses and wagons	50 75	
Incidental expenses	44 98	
Stationery	1 50	
Traveling expenses	47 10	
		7,305 50
Surveying Dam Sites.		
Salaries of Engineers and Laborers	$36,402 76	
Stationery	33 30	

Hire of horses and wagons	$102 00	
Field instruments and implements	114 42	
Heating headquarters	6 93	
Furniture and fixtures	37 50	
Traveling expenses	930 16	
Drawing instruments, tables and materials	7 80	
Incidental expenses	57 55	
	896 18	
Maintenance—Horses and wagons	793 95	
Rent	815 70	
Books, maps and drawings	8 00	
		$40,206 25
Principal Assistant Engineer, New York Office.		
Heating headquarters	$9 25	
Stationery	59 06	
Furniture and fixtures	36 24	
Incidental expenses	53 36	
		157 91
Aqueduct Commissioners' Report, 1883–1887	$8,901 51	
Aqueduct Commissioners' Report, 1887–1892	5,011 13	
Engraving and printing	29,244 22	
Reports of Engineers and Aqueduct Commissioners on Quaker Bridge Dam	1,473 16	
Reports of Engineers on High Masonry Dam	490 75	
Construction damages	699 50	
Claims for damages	2,438 50	
Taxes on lands	23,136 10	
Land agents	1,168 65	
Diamond rock-boring drills	157,003 79	
Diamond rock borings	7,077 42	
Monumenting the line	3,712 98	
Monumenting Sodom Dam Survey	1,546 72	
Monumenting Aqueduct Tunnel—Division Engineer	143 72	
Models	1,355 43	
Observatory towers	1,805 95	
Judgments	37,019 34	
Land and land damages	68,428 07	
Examination of ventilation and lighting	1,306 36	
Examining Engineers	11,041 82	
Board of Experts, etc., Quaker Bridge Dam	12,550 00	
Experts examining construction work	11,926 16	
Experts on water-gates and other machinery	210 00	

Inspection of cast-iron pipes, etc	$8,414 30	
East Branch Reservoir, incidental expenses	165 00	
Abating nuisances in the Croton water-shed	12,927 58	
Monumenting Brewster reservoirs	393 00	
		$409,591 16

Contracts.

	Estimate.	Contractor.		
Section 1	Final.	Smith & Brown	$649 964 62	
" 2	"	Brown, Howard & Co	2,493,664 38	
" 3	"	"	1,838,247 04	
" 4	"	"	1,807,819 50	
" 5	"	"	812,370 91	
" 6	"	O'Brien & Clark	748,852 97	
" 7	"	"	1,783,419 68	
" 8	"	"	1,457,678 22	
" 9	"	"	1,924,161 07	
" B	"	Heman Clark	1,516,572 46	
" A	"	"	1,105,840 58	
" 12	"	Chas. Peterson, assignee of O'Brien & Clark	140,182 91	
" 12	36	O'Brien & Clark	401,740 13	
" 13	Final.	John Brunton & Co	427,641 42	
" 14	"	"	647,869 75	
" 15	"	Richard A. Malone	156,358 20	
" 15½	"	Robert Hanna & Co	27,416 82	
" 16	"	O'Brien & Clark	1,013,220 54	
" 17	"	Richard J. Malone	37,621 69	
East Branch Reservoir Dam	....	Sullivan, Rider & Dougherty	436,499 05	
Dams 1 and 2, and adjacent tunnel	....	David R. Paige & Co	329,798 04	
Deepening and finishing Shaft No. 24	Final.	O'Brien & Clark	91,904 59	
Iron-lined masonry Aqueduct, near Shaft 30	"	Breuchaud, Pennell & Co	69,369 20	
Stop-cock valves, etc., on Section 15	"	Coldwell, Wilcox & Co	19,649 53	
Gate-house superstructure, etc., at Pocantico	"	John Peirce	21,717 92	
Shaft 13A, Section 7	"	O'Brien & Clark	22,963 40	
" 13½, " 7	"	"	18,093 69	
" 15½, " 7	"	John A. Lee	15,412 90	
One Hundred and Thirty-fifth Street Gate-house doors, windows, etc., Section 15	"	Charles W. Palmer	6,935 00	
Cast-iron work, wrought-iron work, etc., New Croton Gate-house, Section 1	"	Coldwell, Wilcox & Co	16,057 02	

	ESTIMATE.	CONTRACTOR.	
Highways or roads, etc., at East Branch and Bog Brook Reservoirs	Final.	Clinton Stephens	$90,851 69
Gate-house superstructure walls for blow-off chamber at Ardsley, Section 7	"	O'Brien & Clark	4,900 00
Cutting timber and clearing grounds, East Branch and Bog Brook Reservoirs	"	Pennell & O'Hern	8,975 00
22 2' x 5' sluice-gates, etc., Sections 15 and 17	"	John Fox	14,190 00
3' x 4' sluice-gates, etc., Pocantico, Ardsley and South Yonkers Gate-houses, Sections 4, 7 and 9	"	"	6,750 00
3' x 6' sluice-gates, etc., New Croton Gate-house, Section 1	"	"	21,900 00
Earth and masonry dam, Reservoir "M," on Titicus river, near Purdy's Station	....	Washburn, Shaler & Washburn	970,329 11
Gate-house superstructure at South Yonkers, Section 9	Final.	O'Brien & Clark	20,349 79
Gate-house superstructure, etc., for new gate chambers at Croton Dam, Section 1	....	Smith, Brown & Coleman	51,783 01
Combined stationary hoisting engines, etc., for Shaft 25, Section 12	Final.	Charles Peterson	11,250 00
Two pairs horizontal tubular boilers, etc., Shaft 25, Section 12	"	West Point Manufacturing Company	11,500 00
Earth and masonry dam, Reservoir "D"	....	Michael S. Coleman	127,039 74
Earth and masonry dam, Reservoir "D"	....	Coleman and Washburn & Washburn, assignees of Michael S. Coleman	276,201 90
Auxiliary earth and masonry dam, near Craft's Station, Reservoir "D"	....	Michael S. Coleman	57,480 99
Auxiliary earth and masonry dam, near Craft's Station, Reservoir "D"	....	Coleman and Washburn & Washburn, assignees of Michael S. Coleman	81,574 64
Eleven head-house superstructures, etc., for the shafts	Final.	Breuchaud, Pennell & Co.	40,251 28
Blow-off Shaft 24, Section A	"	John M. Waddle	1,644 91
" 24, " A	"	John F. Gaynor, assignee of John M. Waddle	19,557 43
" 24, " A	....	New York Central and Hudson River Railroad Company	491 84
Two complete portable hoisting plants	Final.	West Point Manufacturing Company	7,800 00
Highway, retaining-walls, appurtenances, etc., Croton Dam	"	Augustine M. Newton	16,717 09
Grading, improving and fencing grounds, One Hundred and Thirty-fifth Street Gate-house	"	Peter J. Moran	9,564 77
Grading, improving and fencing grounds at several of the shafts	"	Hyman Levy & Thomas Quinn	22,374 14
Head-house and engine-room Shaft 25, Section 12, superstructure, etc	"	John Peirce, assignee of W. H. Baker	43,605 80
Two brick engine-houses for portable hoisting plants	"	John Twiname	9,546 00
New Croton Dam	....	James S. Coleman	660,104 90
"	....	Coleman, Ryan & Brown, assignees of J. S. Coleman	224,950 99
Fencing boundary for East Branch Reservoir	Final.	John E. Brooks	10,647 73
Highways or roads and appurtenances at Reservoir "D"	....	Peter J. Moran	3,083 52
Highways or roads and appurtenances at Reservoir "D"	....	John Flanagan, assignee of Peter J. Moran	96,481 11
Highways or roads and appurtenances at Reservoir "M"	....	John Twiname	66,866 83
Highways or roads and appurtenances at Reservoir "D"	....	John Flanagan & Son	112,445 34

	Estimate.	Contractor.		
Highways or roads and appurtenances at Reservoir "D"	....	William E. Nolan	$2,051 17	
Six sluice-gates with hoisting apparatus, Gate-house, Titicus Dam	....	Coldwell-Wilcox Co	4,479 00	
New highways, etc. Lines 1-4	....	John Twiname	4,245 57	
Jerome Park Reservoir	....	John B. McDonald	20,099 55	
Highways or roads, etc., crossing East Branch, Reservoir "D"	....	Patrick F. Curran	5,640 05	
Total contracts	....			$23,177,168 12

Agreements.

	Estimate.	Contractor.		
Shaft 11C, Section 5	Final.	Brown, Howard & Co	$5,000 00	
" 12C, " 6	"	O'Brien & Clark	5,000 00	
" 16½, " 8	"	"	5,000 00	
" 18½, " 9	"	"	5,000 00	
" 19½, " B	"	Heman Clark	5,000 00	
" 17½, " 8	"	Thomas O'Hern	2,222 12	
Culvert at Shaft 19, Section 9	"	O'Brien & Clark	4,893 74	
" 20, " B	"	Heman Clark	2,932 05	
" 23, " A	"	O'Brien & Clark	3,208 86	
Crib dock, near Shaft 25, Section 12	"	Charles Peterson	3,694 60	
Ironwork—For Saw Mill River Blow-off, etc., Section 7	"	Coldwell, Wilcox & Co	1,962 57	
Ironwork—For Pocantico Blow-off, etc., Section 4	"	"	144 11	
Ironwork—For Tibbett's Brook Blow-off, etc., Section 9	"	"	144 11	
Ironwork—For lining Shafts 22 to 24, Section A	"	"	3,463 43	
Ironwork—For lining Shaft 20, Section B	"	"	2,663 28	
Ironwork—For lining Shaft 28, Section 13	"	"	2,315 02	
Ironwork—For lining Shaft 29, Section 14	"	"	2,358 57	
Cast and wrought iron ladders for shafts, Sections to 9 and B and A	"	"	2,824 25	
Roof, iron floor plates, etc., at Ardsley Gate-house, Section 7	"	"	3,326 70	
Cast-iron special pipe lining and manhole covers, etc., Shaft 24, Section A	"	"	4,931 19	
Filling low ground, Shaft Site No. 12, Section 6	"	O'Brien & Clark	4,910 00	
Cave-in, Shaft 13, Section 7	"	"	5,000 00	
Laying 20" pipe along the incline adjacent to Shaft 24, Section A	"	"	2,895 83	
Grouting near Shaft 17½, on Section 8	"	"	4,427 50	
Grouting, Stations 778+00 and 779+30, Section 7	"	"	1,075 00	
Grouting on Section 13	"	Rogers, Shanly & Co	5,000 00	

	Estimate.	Contractor.		
Grouting near Shaft 30	Final.	Breuchaud, Pennell & Co	$2,900 93	
Lining Shaft 24, Section 8	"	McNeil Pipe and Foundry Co	987 32	
Highway, trestle-work and bridges at Croton Dam, Section 1	"	Smith & Brown	4,500 00	
Sodding the South Yonkers embankment on Section 9	"	Rider & Dougherty	1,575 57	
Taking down and enlarging top of Shaft 11C, Section 5	"	C. L. Kalmbach	2,917 32	
Walls, foundations, etc., near blow-off chamber, Shaft 25, Section 12	"	Charles Peterson	2,233 12	
Frame head-house and engine-room at Shaft 25, Section 12	"	"	3,690 00	
Frame boiler-house and coal-bin at Shaft 25, Section 12	"	"	3,635 00	
9" anti-friction pump and improved turbine wheel, etc., Croton Dam Gate-house, Section 1	"	Joseph Edwards & Co	2,135 00	
6 2' x 5' sluice-gates at Bog Brook and Sodom Dams	"	John Fox	4,200 00	
Pivot gate, Bog Brook Dams 1 and 2	"	Coldwell, Wilcox & Co	2,445 00	
Finishing Shaft 21	"	William H. Baker	1,660 81	
Fence at Shaft 24	"	Francis V. Smith	865 24	
Sodding, soiling and seeding slope and adjacent grounds at Shaft 24	"	John Twiname	900 90	
2 2' x 10' sluice-gates at Bog Brook Tunnel Gate-house	"	John Fox	2,750 00	
Two-story and attic frame office building	"	John Schlachter	4,650 00	
Bridge across Saw Mill river, near Shaft 12	"	Daniel Carpenter	816 50	
Cutting timber and clearing grounds at Reservoir "M," Purdy's Station	"	John L. Merritt	3,448 00	
Highway Bridge at Salem Centre, Reservoir "M"	"	Berlin Iron Bridge Co	673 00	
Highway Bridge at Carmel, N. Y.	"	"	1,122 00	
Clearing grounds at Reservoir "M," near Purdy's Station, N. Y.	"	William Gilmour	1,150 00	
Furnishing cast-iron pipe—special castings, etc	"	Coldwell-Wilcox Co	1,224 67	
Cutting timber and clearing grounds at Reservoir "D"	"	John Flanagan	2,026 67	
Furnishing screens, hoisting apparatus, New Croton Dam Gate-house	"	Coldwell-Wilcox Co	3,559 00	
Highway Bridge at Cole's Mills	"	Berlin Iron Bridge Co	1,390 00	
				$146,848 98

Bailing, pumping and taking care of water on Section A	$1,669 73	
Pumping water in iron pipes, Section 12	6,063 65	
Pumping water in iron pipes, Section 13	5,405 00	
Pumping water in iron pipes, Section 14	7,935 00	
Iron pipe laid in tunnel, Section A	4,615 76	
Iron pipe laid in tunnel, Section B	980 50	
48-inch pipes at Shaft 11B	327 50	
48-inch stop-cock valves	4,500 00	
Ironwork, etc.—		
At shafts	21,786 07	

Ironwork, etc.—		
For gate-houses and blow-offs	$20,526 50	
For dams	12,963 19	
Timber work, etc., at shafts and gate-houses	19,926 71	
Explorations under the Harlem river	4,384 26	
Experimental section in concrete, at Shaft 18	185 25	
Extra work, etc., on Section 1	4,616 03	
Extra work, etc., on Section 6	42 70	
Extra work, etc , on Section 12	171 35	
Extra work, etc., on Section 14	696 21	
Extra work, etc., on Section 15	89 32	
Extra work, etc., on Section 16	668 98	
Extra work, etc., enlarging Shaft 11C	147 81	
Extra work, etc., on the Pocantico Gate-house	287 44	
Extra work, etc., on the eleven head-houses	325 64	
Extra work, etc., grading, improving and fencing grounds, One Hundred and Thirty-fifth Street Gate-house	256 73	
Extra work, etc., on Dams Nos. 1 and 2	444 31	
Extra work, etc., on blow-offs, etc., Shaft 24	615 24	
Extra work, etc., repairing roof, New Croton Gate-house	111 82	
Extra work, etc., head-house, Shaft 25	305 28	
Extra work, etc., Purdy's Dam	282 99	
Extra work, etc., grading, improving and fencing ground at several of the shafts	749 01	
Extra work, etc., on two-story and attic frame office building, New Croton Dam	233 45	
Extra work, etc., on gate-house superstructure at Croton Dam	288 20	
Extra work, etc., New Carmel Dam	386 42	
		$121,983 05
Additional work, Section 9	$49 37	
Additional work, Section 12	65 73	
Additional work, Section A	1,609 56	
Additional work, East Branch Reservoir Dam	2,250 08	
Additional work, Dams Nos. 1 and 2	480 06	
Additional work, earth and masonry dam, Reservoir "M"	1,339 53	
Additional work, highways or roads, etc., at East Branch and Bog Brook Reservoirs.	3,095 00	
Additional work, Shaft 21	95 85	
Additional work, two brick engine-houses	911 75	
Additional work, iron-lined masonry Aqueduct, near Shaft 30	2,000 00	
Additional work, grubbing and clearing grounds, Shaft 24	40 70	
Additional work, Shafts Nos. 15½ and 16	43 50	
Additional work, construction of New Croton Dam Gate-house, Reservoir "D"	2,384 41	
" Reservoir "D"	549 62	
		14,915 16

Removing solid rock in Harlem river, near Shaft 25	$701 03	
Grading, etc., trenches, Quaker Bridge Dam site	150 00	
Grading and finishing the grounds adjacent Shaft 19⅝	125 00	
Surveys and topographical map, Croton Watershed	7,000 00	
Soundings south of One Hundred and Thirty-fifth street	931 18	
Sinking Test Pits—		
Titicus river and Reservoir "D" dam sites	540 35	
Cornell Dam sites	63 56	
Hoisting-engines for shafts	1,700 00	
Coating interior of Aqueduct with cement	8,384 37	
Telephone line	4,995 62	
Preparing, pumping, etc., inverted siphon, sections	2,643 91	
Preparing the Aqueduct for permanent use	211 66	
Iron bridge on the East Branch of the Croton river	2,145 00	
Fencing around reservoirs, shaft sites, etc.	2,020 43	
Drain in One Hundred and Sixty-seventh street and Amsterdam avenue	906 00	
Repairs, Janitor's house, New Croton Dam	47 42	
Furnishing cast-iron pipes—special castings, etc	3,873 70	
12-inch cast-iron water-pipe—Water supply, Sing Sing Prison, N. Y.	1,419 93	
Filling excavations, etc., about Reservoir "M"	831 68	
Resurfacing portions of new roads, Reservoir "M"	695 49	
		$39,386 33
Commissioners of Appraisal—Awards.		
Twenty-fourth Ward	$163,090 47	
Manhattan Island Section	802,230 93	
Westchester County	460,788 12	
Putnam County Section	504,249 50	
		1,930,359 02
Commissioners of Appraisal.		
City and County of New York	$113,926 36	
Westchester County	546,393 06	
Manhattan Island Section	79,631 39	
Putnam County Section	152,110 17	
		892,060 98
Total expenditures	.....	$30,206,183 09

Cr.		
Additional Water Stock	$29,495,000 00	
Premium account	607,168 70	
Additional Water Fund—"Miscellaneous"	35,278 01	
Total receipts	.....	$30,137,446 71
Balance, Comptroller's account	.....	68,736 38
		$30,206,183 09

Statement of Receipts and Expenditures of the Aqueduct Commissioners, December 30, 1895.

RECEIPTS.		
From Bonds Issued—		
Amount of bonds	$29,495,000 00	
Premiums on same	607,168 70	
From proceeds of miscellaneous sales, etc	35,278 01	
Total receipts	.....	$30,137,446 71
EXPENDITURES.		
Vouchers, pay-rolls, etc	$3,991,317 92	
Contracts, agreements, etc	23,324,017 10	
Land and land damages	68,428 07	
Commissioners of Appraisal—		
Awards	1,930,359 02	
Fees of Counsel, Commissioners, etc	892,060 98	
Total expenditures	$30,206,183 09	
Balance, Comptroller's account	.....	68,736 38
		$30,206,183 09

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10792 to 10802, inclusive, amounting to $837.55, and of estimates contained in Vouchers Nos. 10803 and 10804, amounting to $17,039.95.

On motion of Commissioner Cannon, the same were approved and ordered certified to the Comptroller for payment.

The Secretary gave notice of the filing of the following liens against William E. Nolan:

Costanzo Colaranni	$82 00
Carmino Guzzetti	50 00
Antonio Prestinaci	48 75
Silvestro Terzo	60 18
Goise Trumba	10 62
Francesco Fagha	48 25

Which were ordered filed.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, January 29, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon, and Green.

The Construction or Executive Committee recommended the adoption of the following preambles and resolution:

Whereas, Clarence Whitman, or his representatives, offered to build a certain culvert on the site of the new village of Katonah, Westchester County, New York, thereby lessening the amount of land to be taken by the City in the construction of the New Aqueduct, its dams and appurtenances; and

Whereas, In accordance with certain negotiations that took place between said Clarence Whitman, or his representatives, and the Chief Engineer of this Commission, with our knowledge and consent, to the effect that the City would pay for the building of said culvert provided it was constructed under the direction and to the satisfaction of the Chief Engineer, the cost of such culvert not to exceed seventeen hundred and fifty dollars ($1,750), and the same having been built to the satisfaction of the Chief Engineer; and

Whereas, The matter has been submitted to H. T. Dykman, Special Counsel for the City, who requests the Aqueduct Commissioners to have the Clarence Whitman check prepared, with direction to the Comptroller to deliver the same to him, that he may procure the necessary release and agreement therefor;

Resolved, That the said negotiations are approved, and the bill of said Clarence Whitman (herewith submitted), to the amount of seventeen hundred and fifty dollars ($1,750), for the building of said culvert, is hereby approved and ordered certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Cannon, and Green—4.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10807 to 10812, inclusive, amounting to $1,905.72.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolutions:

Resolved, That the action of the Chief Engineer in employing, temporarily, Henry S. Bailey as Laborer, at $2 per day, on January 15, 1896, to assist in the diamond drill work at the New Croton Dam, be and hereby is approved.

Resolved, That the action of the Chief Engineer in employing, temporarily, John Ragen as Laborer, at $2 per day, on January 22, 1896, to assist in the diamond drill work at the New Croton Dam, be and hereby is approved.

On motion of Commissioner Green, the same were adopted.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, February 5, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works, and Commissioners Duane, Tucker and Green.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10815 to 10833, inclusive, amounting to $3,085.38, and of estimates contained in Vouchers Nos. 10834 to 10837, inclusive, amounting to $32,597.34.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the salary of Assistant Engineer Beverly R. Value is hereby fixed at two thousand two hundred dollars per annum, the same to take effect from and after this date.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the President and Secretary be and they are hereby directed to take the necessary steps to provide for giving notice of a public hearing upon maps showing additional lands required for the maintenance of the East Branch Reservoir (Double Reservoir "I"), in the Town of South East, Putnam County, New York, said hearing to be held on February 19, 1896, at 3 o'clock P. M.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, In the opinion of the Aqueduct Commissioners, the further sum of five hundred thousand dollars will be required to defray the necessary and lawful expenditures of said Commissioners; now, therefore, be it

Resolved, That the Comptroller of the City of New York be and he is hereby requested to raise the sum of five hundred thousand dollars upon bonds of the City of New York, in conformity with the requirements of section 32, chapter 490, Laws of 1883 of the State of New York, for the uses and purposes of the Aqueduct Commissioners, as set forth in said chapter and section of said law.

The same was adopted by the following vote:

Affirmative—The Commissioner of Public Works, and Commissioners Duane, Tucker and Green--4.

The Comptroller, under date of January 31, 1896, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners for—

Reservoir "D"	$3,173 62
Reservoir "M"	5,542 71
Cornell Dam	8,198 20
Jerome Park Reservoir	535 52
Croton Falls	150 00
Katonah	1,225 00
Sodom Dam	5 25

—leaving a balance to the credit of the "Additional Water Fund" of $700.27.

Which was ordered entered upon the books of the Commissioners and filed.

On motion of Commissioner Tucker, the minutes of meetings of December 18 and 24, 1895, and January 8 and 15, 1896, were ordered approved.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

NOTE.—Wednesday, February 12, 1896, being a legal holiday, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, February 19, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works, and Commissioners Duane, Tucker, Cannon, and Green.

The meeting was declared open for public hearing in pursuance of the following notice, published in the CITY RECORD, "The Sun," and "The Commercial Advertiser," commencing with February 8, 1896; also in the "Brewster Standard" and the "Putnam County Republican":

AQUEDUCT COMMISSIONERS' OFFICE, ROOM 209, STEWART BUILDING, NO. 280 BROADWAY, NEW YORK, February 8, 1896.

PUBLIC NOTICE—TO ALL WHOM IT MAY CONCERN.

In conformity with the requirements of section 2, chapter 490, Laws of 1883, of the State of New York, public notice is hereby given to all persons interested that full opportunity will be afforded them to be heard in relation to acquiring additional lands required for the maintenance of the East Branch Reservoir (Double Reservoir "I"), in the Town of South East, Putnam County, New York, as shown upon the map now on file in this office; said public hearing to be held at the office of the Aqueduct Commissioners, Room 209, Stewart Building, No. 280 Broadway, New York, on Wednesday, February 19, 1896, at 3 o'clock P. M., and upon subsequent dates thereafter, to which said hearing may be adjourned until finally concluded.

By order of the Aqueduct Commissioners.

EDWARD L. ALLEN, Secretary. JAMES C. DUANE, President.

Mr. Abram J. Miller, Attorney, of Brewster, N. Y., representing Mr. John R. Yale, the owner of Parcels Nos. 15⅛ and 15⅜ of the lands proposed to be taken for the maintenance of said East Branch Reservoir; also representing Mr. Charles W. Boyce, the owner of Parcel No. 37¼ of said lands, appeared before the Commissioners and was heard in relation to the taking of all the lands contiguous to the above-mentioned parcels belonging to said parties.

Mr. Miller was requested to submit a written statement setting forth his views in the matter, and was assured that the same would be given careful consideration by the Commissioners.

No other person desiring to be heard, the President declared the hearing closed.

On motion of Commissioner Cannon, a recess was then taken.

Upon resuming the meeting there were present—Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10844 to 10857, inclusive, amounting to $1,493.98.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That, on account of ill health, a leave of absence to April 15, 1896, be and hereby is granted to the Chief Engineer of this Commission.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, during the absence of the Chief Engineer and until the further order of this Board, Division Engineer Alfred Craven is hereby designated to perform all the duties and to be vested with all the powers of the Chief Engineer, with the title of "Acting Chief Engineer."

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing the following-named persons as Laborers, at two dollars per day, on February 8, 1896, to repair certain damage done to the highways in Reservoir "D" by the recent storm, and the discharging of said persons on February 10, 1896, be and hereby is approved :

Charles Luyster, Patrick O. Toole, Cornelius Donovan, Nathaniel Smalley, Michael McCarty, Henry Curry, James Corrigan.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of Division Engineer Alfred Craven in employing, temporarily, the following-named persons as Laborers, at two dollars per day, for clearing certain parcels of land in Reservoir "D" of trees and brush, be and hereby is approved :

On February 15, 1896—Patrick O. Toole, Daniel Donegan, Charles Luyster, Edward Hunt. On February 16, 1896—Cornelius Donovan, Jerry Donovan, John Cusick. On February 17,

1896—Michael McCarty, Michael Cusick, Jr. On February 18, 1896—John Crimmins, James Corrigan, Henry Curry.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the following-named persons be and hereby are appointed Laborers at two dollars per day, they having been certified by the Municipal Civil Service Boards as eligible for such appointment, their services to commence on February 24, 1896 :

James R. Ostrander, James P. Rogers, Walter Slote, Charles E. Barnum, James May, Franklin G. Clark, John Morf, George Oakley.

On motion of Commissioner Tucker, the same was adopted.

The Committee presented the following communication, received from Division Engineer Alfred Craven :

NEW YORK, February 19, 1896.

To the Honorable the Committee on Construction :

GENTLEMEN—I beg leave to submit the following for your consideration :

At Reservoir " D " there are several buildings that were necessarily reserved from the sale at public auction last summer, owing to the fact that we had not then obtained possession of them. Several of these buildings are now threatened by the rising water in the reservoir, one of them in fact is already partially submerged.

The buildings are on four separate parcels, as follows, to wit :

Parcel No. 10, George W. Seaman ; Parcel No. 15, Mrs. John Harney estate ; Parcel No. 18, Gideon Lee estate ; Parcel No. 42, John J. Townsend.

The first steps in the proceedings for the condemnation of these properties have been commenced, i. e., the maps have been filed and the notices of appointment of Commissioners of Appraisal on the 28th of March have been posted on the premises.

I feel assured that there will now be no objection to the sale of the buildings on the last three parcels enumerated, as we have the consent of the owners to their possession, and they are all vacated.

In the case of the Seaman property, Parcel No. 10, we have not been able to communicate with the owner, who lives in another State. It, however, is also vacated, and if left will soon be partially if not totally submerged.

As the storage of all water possible during this season is a matter of the utmost importance, I will respectfully ask, and advise, that all these buildings be sold at public auction without delay, reserving from the sale, however, any building to the sale of which objection may be made on or before the day set for disposing of it.

Yours respectfully, ALFRED CRAVEN, Division Engineer.

And recommended the adoption of the following resolution :

Resolved, That the President and Secretary be and they are hereby directed to take the necessary steps to provide for the sale, at public auction, of the buildings standing within the limits of Reservoir " D," on the West Branch of the Croton river, near Carmel, Putnam County, New York.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolutions :

Resolved, That the accompanying bill for taxes for the year 1895 due the Town of Kent, Putnam County, New York, amounting to $323.65, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895, due the Town of Carmel, Putnam County, New York, amounting to $882.11, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Cannon, the same were adopted.

The Committee presented a communication, received from the Secretary, reporting that the sum of $371.83 had been received from Division Engineer Edward Wegmann, being for rental of buildings in the Villages of Katonah and Croton Falls, Westchester County, New York, for the month of February, 1896, and that said amount had been transmitted by him to the City Chamberlain for the credit of the " Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

The Committee presented the following communications and recommended that they be spread upon the minutes and filed :

LAW DEPARTMENT, OFFICE OF THE COUNSEL TO THE CORPORATION, NEW YORK, February 17, 1896.

Gen. JAMES C. DUANE, *President, Aqueduct Commission :*

SIR—I desire to call your attention to Senate Bill 475, introduced by Mr. Guy, entitled " An act to lay out, establish, build and maintain a causeway or viaduct for use as a public street across the Jerome Park Reservoir, from Jerome avenue to Sedgwick avenue, in the City of New York."

The purpose of the bill is sufficiently explained by the title.

It has been committed to the Committee on Affairs of Cities in the Senate, and is now under consideration therein.

I should be obliged to you for an expression of the views of your Board as to the necessity for the construction of the proposed viaduct.

Yours very truly, FRANCIS M. SCOTT, Counsel to the Corporation.

NEW YORK, February 19, 1896.

Hon. FRANCIS M. SCOTT, *Counsel to the Corporation :*

DEAR SIR—Your favor of the 17th instant is at hand, asking for an expression of the views of the Aqueduct Commissioners upon the bill introduced by Senator Guy providing for the construction of a public causeway across the Jerome Park Reservoir.

The matter was carefully considered by the members of the Board after the public hearing when the plans for the reservoir were examined, when citizens of the neighborhood suggested the construction of such a highway, and at the time of the application to the Board of Street Opening and Improvements in December last, for the extension of the Southern Boulevard across the reservoir along the lines indicated in the proposed act.

After a very full consideration of the question and with a most earnest desire to accommodate the convenience and comply with the wishes of the residents of those portions of the city adjacent

to the new reservoir, the Commission are unanimously of opinion (after consultation with its Chief Engineer) that to build the proposed causeway would be a great and grave mistake.

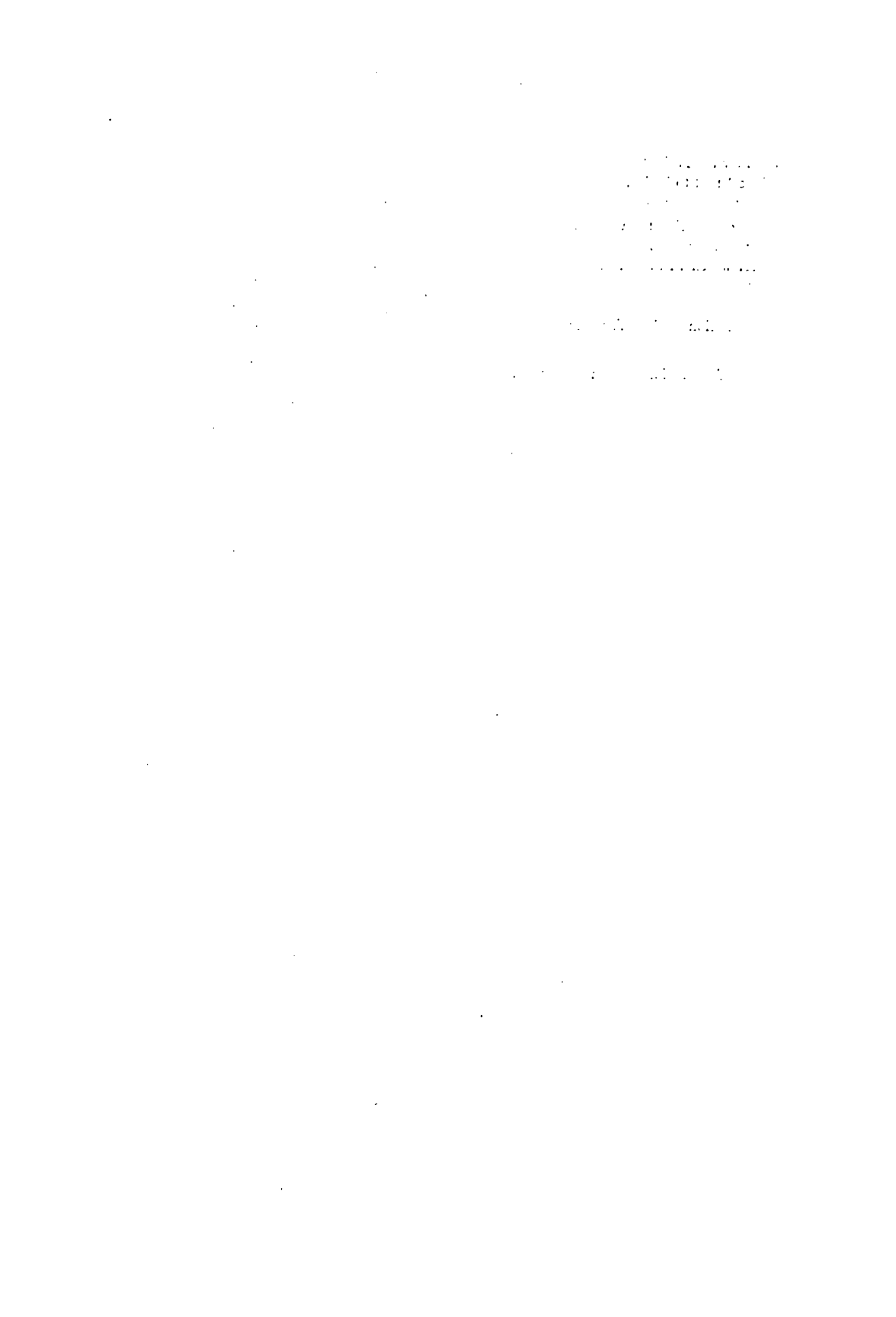
Besides the additional expense, amounting, probably, to more than a million dollars, and the delay in completing the whole work, by far the most serious objection to our mind is in the menace to the public health involved in the maintenance and use of a public highway directly over a body of water which will be drawn upon to supply the whole city.

Yours very truly, J. C. DUANE, President.

On motion of Commissioner Cannon, the recommendation was approved.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.



AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, February 26, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10861 to 10871, inclusive, amounting to $348.75.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Acting Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment, viz. :

1st. Of Stephen Brown, for moving machinery, amounting to $18.75.

2d. Of A. B. Orton, for hauling stop-planks, etc., at Sodom Dam, amounting to $9.

3d. Of John Flanagan, for hauling stop-planks at Carmel Dams, amounting to $14.50.

4th. Of Horace Searles, for cutting, etc., ice, amounting to $21.12.

5th. Of "Putnam County Courier," for advertising sale of fruit in Reservoir "M," amounting to $3.08.

6th. Of Thomas C. Flynn, for repairs to heating apparatus at Jerome Park Reservoir office, amounting to $5.70.

7th. Of Gustav Schumacher, for carriage hire for Engineer Corps, amounting to $6.50.

8th. Two bills of John B. McDonald, for hauling office furniture and machinery at Jerome Park Reservoir, amounting to $16.25.

9th. Of Baxter & Shove, for carriage hire, etc., amounting to $241.78.

10th. Of Skinner & Connolly, for eye bolts for Carmel Dams, amounting to $10.47.

11th. Of Seth Hoyt, for cleaning privies at Katonah and Croton Falls, amounting to $25.

12th. Two bills of Richard D. Philbin, for transportation and board, amounting to $53.18.

13th. Three bills of Robert L. Fraser, for transportation and board, amounting to $72.27.

14th. Of William James, for transportation and board, amounting to $25.09.

On motion of Commissioner Tucker, the same was adopted.

The Committee presented the following communication, received from the Acting Chief Engineer:

NEW YORK, February 25, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—On January 29 authority was granted the Chief Engineer to ask for bids for the construction of two (2) gates in the gate-house of the main dam at Carmel; the bids to be limited to the two firms who have constructed the other gates of the system, i. e., Messrs. Coldwell-Wilcox Company of Newburgh, and John Fox of New York.

The Chief Engineer estimated the cost to be below $2,800.

In pursuance of such authority the two firms were invited to bid for the construction of these gates, and offers have been received as follows:

Coldwell-Wilcox Company of Newburgh	$1,499 00
John Fox of New York	2,100 00

I will recommend that the contract be awarded to Messrs. Coldwell-Wilcox Company at their bid of $1,499, it being the lowest bid.

I inclose herewith the original bids.

Yours, respectfully, ALFRED CRAVEN, Acting Chief Engineer.

And recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Acting Chief Engineer, the work of furnishing, etc., two sluice gates, with their hoisting apparatus, etc., for the main dam at Carmel, be and hereby is awarded to Coldwell-Wilcox Company at their bid of one thousand four hundred and ninety-nine dollars, it being the lowest bid received and less than the estimate of the Chief Engineer.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee also presented the following communication, received from the Acting Chief Engineer:

NEW YORK, February 26, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—In pursuance of the request of the President of the Aqueduct Commissioners, I have seen Chief Engineer Birdsall of the Department of Public Works in reference to the advisability of acquiring certain additional lands of Mr. John R. Yale, the owner of Parcels 15⅛ and 15⅜ of land proposed to be taken for the maintenance of the East Branch Reservoir; also of lands of Mr. Charles W. Boyce, owner of Parcel No. 37¼ of said lands.

It is these owners in whose behalf Mr. Abram J. Miller, attorney, of Brewster, N. Y., appeared before you at the public hearing of February 19 last.

I beg to report that Mr. Birdsall agreed as to the advisability of acquiring the remainder of the John R. Yale property, contiguous to the before-mentioned Parcels 15⅛ and 15⅜; also the small piece lying to the east of Parcel No. 15A, in all between three and four acres, with the buildings thereon, and not included in the present proposed taking.

Mr. Birdsall considers that the land in question, if not acquired now, would have to be taken at some time in the future.

In reference to the acquiring of the remainder of the Boyce property, Mr. Birdsall conceded and stated that he did not consider it necessary or advisable to do so.

In the case as presented by Mr. Miller of the Yale property, I beg to state that I consider the points of his argument generally as well taken. In the case of Boyce, however, while there may be a difficulty of access from this property to the highway over the small strip lying in the form of a lane, I do not consider it of such a nature as to warrant the necessity or advisability of our acquiring the entire property, for the reason that the expense of making this lane passable as a proper and suitable means of access to the public highway will be small in comparison with the expense necessary to acquire the entire remainder of the property, which is, as Mr. Miller stated, about fifteen acres of land.

Finally, I fully agree with the views of the Chief Engineer of the Department of Public Works, and will recommend that the remainder of the Yale property be added to the maps now in your hands, and that no further action be taken in the case of the Boyce property.

Yours, respectfully, ALFRED CRAVEN, Acting Chief Engineer.

And recommended the adoption of the following resolution:

Resolved, That the above report be and hereby is approved and adopted, and the Secretary is hereby directed to transmit a copy thereof to Abram J. Miller, Esq., counsel for said John R. Yale and Charles W. Boyce; and the Acting Chief Engineer is hereby directed to include on the maps now being prepared the additional lands of John R. Yale, as recommended by him in the above report.

On motion of Commissioner Cannon, the same was adopted.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, March 4, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, March 11, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works, and Commissioners Duane, Tucker and Green.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That the action of the Acting Chief Engineer in discharging the following-named Laborers, employed temporarily at the Carmel Dams, on the dates hereinafter named, be and hereby is approved :

On February 20, 1896—Patrick O. Toole, Edward Hunt. On February 21, 1896—Cornelius Donovan, Daniel Donegan, John Cusick, Jerry Donovan. On February 22, 1896—Charles Luyster, James Corrigan, John Crimmins, Michael Cusick, Jr., Michael McCarty, Henry Curry.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Acting Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment, viz. :

1st. Of J. H. Moses, for repairing sink at Croton Falls, amounting to $2.

2d. Of D. W. Gilbert, for services as veterinary surgeon at Katonah, and medicine, amounting to $4.50.

3d. Of R. D. Philbin, for transportation and board, amounting to $20.59.

4th. Of William James, for transportation and board, amounting to $30.09.

5th. Of Bert Tompkins, for transportation and board, amounting to $4.24.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Acting Chief Engineer, John Regan is hereby appointed Stoker in the Engineer Corps, at a salary of two dollars per day, and detailed for duty with the Diamond Drill Party at the New Croton Dam, his services to commence from and after this date, he having been certified by the Civil Service Boards as eligible for such appointment.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolutions :

Resolved, That the accompanying bill for taxes for the year 1895 due School District No. 6 of the Town of Carmel, Putnam County, New York, amounting to $147.89, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895 due the Town of Cortlandt, Westchester County, New York, amounting to $709.77, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895 due the Town of North Salem, Westchester County, New York, amounting to $744.35, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895 due the Town of North Salem, Westchester County, New York, amounting to $241.69, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895 due the Town of New Castle, Westchester County, New York, amounting to $16.76, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895 due the Town of Lewisboro, Westchester County, New York, amounting to $23.92, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895 due the Town of Yorktown, Westchester County, New York, amounting to $162.24, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895 due the Town of Bedford, Westchester County, New York, amounting to $585.86, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same were adopted.

The Committee also recommended that the following action taken by the Aqueduct Commissioners on November 14, 1894, be and hereby is rescinded :

"The Construction or Executive Committee presented final plan sheet, described as 'Exhibit No. 7 of 1894,' submitted by the Commissioner of Public Works on November 12, 1894, showing certain additional parcels of land required for the construction of Double Reservoir 'I,' on the east branch of the Croton river, in the Town of South East, Putnam County, N. Y., and recommended the adoption of the following resolution :

"Resolved, That, for the more efficient carrying out of the provisions of chapter 490 of the Laws of 1883 of the State of New York, and the acts amendatory thereof, we, the Aqueduct Commissioners, do hereby approve and adopt the aforesaid final plan sheet, showing certain additional parcels of land required for the construction of Double Reservoir 'I,' on the east branch of the Croton river, in the Town of South East, Putnam County, N. Y., and direct that the same be duly certified and filed in this office and designated 'Final Plan Sheet No. 7 of 1894'; and that a copy thereof be certified and transmitted to the Commissioner of Public Works for filing in his office, as required by section 25 of the aforesaid act.

"The same was adopted by the following vote:

"Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4."

"The Committee also presented six similar property maps, submitted by the Commissioner of Public Works on November 12, 1894, showing certain additional parcels of land required for the construction of Double Reservoir 'I,' on the east branch of the Croton river, in the Town of South East, Putnam County, N. Y., and recommended the adoption of the following resolution:

"Resolved, That the six similar property maps received from the Commissioner of Public Works on November 12, 1894, showing certain additional parcels of land required for the construction of Double Reservoir 'I,' on the east branch of the Croton river, in the Town of South East, Putnam County, New York, be and the same are hereby approved and adopted, and directed to be certified to the Counsel to the Corporation for filing and delivery to the Commissioners of Appraisal, in accordance with the provisions of chapter 490 of the Laws of 1883 of the State of New York; and the Counsel to the Corporation is hereby requested to take the steps necessary to acquire for the City, under chapter 490 of the Laws of 1883 of the State of New York, the fee in the lands described on said maps; and the Secretary is hereby directed to furnish to the Counsel to the Corporation all maps, plans, etc., which he may require in the premises.

"The same was adopted by the following vote:

"Affirmative—Commissioners Duane, Tucker, Scott and Cannon—4."

On motion of Commissioner Green, the recommendation was approved.

The Construction or Executive Committee presented final plan sheet described as "Exhibit No. 1 of 1896," submitted by the Commissioner of Public Works on March 11, 1896, showing certain additional parcels of land required for the maintenance of Double Reservoir "I," on the east branch of the Croton river, in the Town of South East, Putnam County, New York, and recommended the adoption of the following resolution:

Resolved, That, for the more efficient carrying out of the provisions of chapter 490 of the Laws of 1883 of the State of New York, and the acts amendatory thereof, we, the Aqueduct Commissioners, do hereby approve and adopt the aforesaid final plan sheet, showing certain additional parcels of land required for the maintenance of Double Reservoir "I," on the east branch of the Croton river, in the Town of South East, Putnam County, New York, and direct that the same be duly certified and filed in this office and designated "Final Plan Sheet No. 1 of 1896"; and that a copy thereof be certified and transmitted to the Commissioner of Public Works for filing in his office, as required by section 25 of the aforesaid act.

The same was adopted by the following vote:

Affirmative—The Commissioner of Public Works and Commissioners Duane, Tucker and Green—4.

The Committee also presented six similar property maps, submitted by the Commissioner of Public Works on March 11, 1896, showing certain additional parcels of land required for the maintenance of Double Reservoir "I," on the east branch of the Croton river, in the Town of South East, Putnam County, New York, and recommended the adoption of the following resolution:

Resolved, That the six similar property maps, received from the Commissioner of Public Works on March 11th, 1896, showing certain additional parcels of land required for the maintenance of Double Reservoir "I," on the east branch of the Croton river, in the Town of South East, Putnam county, New York, be and the same are hereby approved and adopted, and directed to be certified to the Counsel to the Corporation for filing and delivery to the Commissioners of Appraisal, in accordance with the provisions of chapter 490 of the Laws of 1883 of the State of New York; and the Counsel to the Corporation is hereby requested to take the steps necessary to acquire for the City, under chapter 490 of the Laws of 1883 of the State of New York, the fee in the lands described on said maps; and the Secretary is hereby directed to furnish to the Counsel to the Corporation all maps, plans, etc., which he may require in the premises.

The same was adopted by the following vote:

Affirmative—The Commissioner of Public Works and Commissioners Duane, Tucker and Green—4.

The Committee also presented reports, received from the Secretary, reporting that the sum of $49.50, being proceeds of sale of reports of the Aqueduct Commissioners (1887-1895), and the sum of $150, being for rent, from December 1, 1894, to December 1, 1895, of house and outbuildings standing on the site of the New Croton Dam, formerly owned and now occupied by William Purdy, had been received and transmitted by him to the City Chamberlain, for the credit of the "Additional Water Fund," and that receipts therefor were on file.

On motion of Commissioner Tucker, the action of the Secretary was approved.

The Committee also presented the following:

AQUEDUCT COMMISSIONERS' OFFICE, STEWART BUILDING, 280 BROADWAY, NEW YORK, March 5, 1896.

Hon. CHARLES G. WILSON, *President, Board of Health*, New Criminal Court Building, New York:

DEAR SIR—I inclose copy of the bill which has been introduced in both branches of the Legislature providing for the construction of a viaduct across the Jerome Park Reservoir, as indicated upon the plans left with you yesterday.

The Chief Engineer of the Aqueduct Commission reports that an iron structure is out of the question in such a location, and that a preliminary estimate, which is, of course, only approximate, of the cost of a series of arches shows that the cost would amount to more than one million dollars.

More important than the question of cost, however, is the danger to the health of the whole city which the Aqueduct Commissioners fear would be involved in the maintenance of an open highway across a sheet of water which must be kept free from pollution. An avenue of this

character would undoubtedly become a popular driveway, and even under the most careful attention a large amount of impurities dropped on the surface would be carried into the reservoir by the agency of the wind or otherwise.

We feel that the proposition is of such vital concern to the health of the whole city that it should be submitted to your Board for consideration and for such action as you may deem wise.

Respectfully yours, J. C. DUANE, President.

HEALTH DEPARTMENT, NEW YORK, March 11, 1896.

General JAMES C. DUANE, *President, Aqueduct Commissioners*, Stewart Building, No. 280 Broadway, New York:

SIR—At a meeting of the Board of Health of the Health Department, held on March 10, 1896, the following resolutions were adopted:

Resolved, That in the opinion of this Board the construction and use of a causeway or viaduct over the Jerome Park Reservoir would be a menace to the purity of the water supply of this city, and this Board, therefore, earnestly but respectfully protests against the passage of Senate Bill No. 475, entitled "An Act to lay out, establish, build and maintain a causeway or viaduct, for use as a public street, across the Jerome Park Reservoir, from Jerome avenue to Sedgwick avenue, in the City of New York."

Resolved, That the above resolution and copies of the reports of Sanitary Superintendent Roberts and Chief Inspector Martin, Chemist, and Dr. T. Mitchell Prudden, Consulting Pathologist of this Department, embodying the sanitary objections to the bill above referred to, be forwarded to the Aqueduct Commissioners.

Very respectfully,

EMMONS CLARK, Secretary.

On motion of Commissioner Green, the Secretary was directed to transmit to the Counsel to the Corporation copies of the correspondence between the Aqueduct Commissioners and the Board of Health relating to the above matter, together with copies of the reports of said Board on the subject of the pollution of the water supply should said bill become a law, with request that he cause the same to be laid before the Committee in the Legislature to which said bill has been referred.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, In the opinion of the Aqueduct Commissioners, the further sum of five hundred thousand dollars will be required to defray the necessary and lawful expenditures of said Commissioners; now, therefore, be it

Resolved, That the Comptroller of the City of New York be and he is hereby requested to raise the sum of five hundred thousand dollars upon bonds of the City of New York, in conformity with the requirements of section 32, chapter 490, Laws of 1883 of the State of New York, for the uses and purposes of the Aqueduct Commissioners, as set forth in said chapter and section of said law.

The same was adopted by the following vote:

Affirmative—The Commissioner of Public Works and Commissioners Duane, Tucker and Green—4.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10,879 to 10,917, inclusive, amounting to $5,409.42, and of estimates contained in Vouchers Nos. 10,874 and 10,876 to 10,878, inclusive, amounting to $30,749.33.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, March 18, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee presented the following:

NEW YORK, March 17, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—I hand you herewith a copy of a letter written by me to Mr. Louis F. Haffen, Commissioner of Street Improvements of the Twenty-third and Twenty-fourth Wards, dated March 6, 1896, and a copy of his reply to the same, dated March 16, 1896, also the two copies of map or plan referred to in our correspondence.

I will recommend that the proposed changes be approved by you and that the maps receive your indorsement.

I will state in reference to this matter, that these new lines were thoroughly considered by the Chief Engineer prior to his departure South, and that they fully met with his approval.

Yours respectfully, ALFRED CRAVEN, Acting Chief Engineer.

NEW YORK, March 6, 1896.

Mr. LOUIS F. HAFFEN, *Commissioner Street Improvements, Twenty-third and Twenty-fourth Wards:*

DEAR SIR—I return herewith your map and two copies of same "showing proposed changes of lines and grades of avenues and streets adjoining the new Jerome Park Reservoir, in the Twenty-fourth Ward of the City of New York, dated New York, November 4, 1895," but not having your official signature.

In accordance with our conversation at your office on the 20th of February last, and with my understanding of the purport of that conversation, I will state that the Aqueduct Commissioners will agree to the proposed changes as shown in red on the map, excepting the proposed crossing of the reservoir, which we agreed should be left as a separate proposition and should not be held as a contingency on the approval or non-approval of which would depend the adoption of the remainder of the system.

As I informed you in the course of our conversation, we are anxious to go to work in the near future on the construction of the line of core-wall and embankment along the east side of Sedgwick avenue, and unless you can give us your approval of the proposed changes other than the crossing

of the reservoir, we will be compelled to construct on our old lines and the additional width of 20 feet for Sedgwick and other avenues and the improved grades may be lost.

I will respectfully ask, therefore, and urge that you return one of the maps with your approval, for filing with the Aqueduct Commissioners, at as early a date as is convenient, and that you accompany it with a communication or such notes on the map itself as will place it in a form on which we can mutually be governed in our work, and I feel assured the Aqueduct Commissioners will give any further indorsement that you may feel is advisable or necessary in the premises.

Yours truly, ALFRED CRAVEN, Acting Chief Engineer.

CITY OF NEW YORK, COMMISSIONER OF STREET IMPROVEMENTS, TWENTY-THIRD AND TWENTY-FOURTH WARDS, March 16, 1896.

ALFRED CRAVEN, Esq., *Acting Chief Engineer, Aqueduct Commissioners:*

DEAR SIR—In compliance with your request and in conformity with our understanding, I return herewith map or plan showing the proposed change of lines of avenues and streets adjoining the New Jerome Park Reservoir in the Twenty-fourth Ward of the City of New York.

I approve of the proposed changes as shown in red on the map, excepting the proposed crossing on the reservoir, as also indicated on the map, which, as understood, is to remain as a separate proposition, apart from the approval of this particular map.

Please return copy with the indorsement of the Aqueduct Commissioners, as suggested herein.

Respectfully, LOUIS F. HAFFEN, Commissioner.

And recommended the adoption of the following resolution:

Resolved, That the Aqueduct Commissioners hereby approve of the map or plan above referred to showing the proposed change of lines of avenues and streets adjoining the Jerome Park Reservoir, in the Twenty-fourth Ward of the City of New York (excepting the road across said reservoir leading from the Southern Boulevard and Jerome avenue to Sedgwick avenue and Boston avenue), pending the action of the Legislature; and the President is hereby directed to certify such approval on said map or plan, on behalf of the Aqueduct Commissioners.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, The Acting Chief Engineer of this Commission, under date of March 16, 1896, certified that in his opinion John Flanagan has completely performed and carried out the provisions of the contract made by him with this Commission on the first day of March, 1895, for cutting timber and clearing grounds on west branch of Croton river, for Reservoir "D," near Carmel, in the Towns of Carmel and Kent, Putnam County, New York, and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said contract, and of the true value thereof; therefore be it

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by John Flanagan under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said contract be approved by the Commissioners and certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee also recommended the adoption of the following preambles and resolution :

Whereas, The Aqueduct Commissioners on May 13, 1895, entered into a contract with William E. Nolan for constructing a highway or road and its appurtenances, etc., crossing the East Branch of Reservoir "D," in the Town of Kent, Putnam County, New York ; and

Whereas, The said William E. Nolan, after performing a portion of said work abandoned his contract, and a contract for the completion of the work was entered into by the Aqueduct Commissioners with Patrick F. Curran, in accordance with law, which contract is now completed ; and

Whereas, The Acting Chief Engineer of this Commission, under date of March 16, 1896, has certified that so far as the work was done by said William E. Nolan, it was done satisfactorily, and in accordance with the terms of his contract ; and

Whereas, It appears from the reports of the Acting Chief Engineer and of the Secretary of this Commission, that the balance due said William E. Nolan for the work done by him up to the time of his abandonment of the contract as aforesaid amounts, in accordance with the final estimates thereon, to $741.06, but that the excess in cost to the City of the whole work provided for in said contract, caused by the abandonment thereof by said William E. Nolan, as aforesaid, amounts to $2,772.94, leaving a balance of $2,031.88 due the City from said William E. Nolan and his bondsmen ; now therefore be it

Resolved, That the facts above set forth, together with the reports and estimates referred to, and a copy of these resolutions, be certified to the Comptroller for such action as he may deem proper.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Acting Chief Engineer of this Commission, under date of March 16, 1896, certified that, in his opinion, Patrick F. Curran has completely performed and carried out the provisions of the contract made by him with this Commission on the 10th day of October, 1895, for completing a highway or road and its appurtenances, etc., crossing the East Branch of Reservoir "D," in the Town of Kent, Putnam County, New York, and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said contract, and of the true value thereof ; therefore, be it

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by Patrick F. Curran under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said contract be approved by the Commissioners and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee also recommended the adoption of the following resolutions :

Resolved, That the accompanying bill for taxes for the year 1895, due the Town of Ossining, Westchester County, New York, amounting to fifteen dollars and one cent, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895, due the Town of Greenburgh, Westchester County, New York, amounting to ninety-seven dollars and fifty-seven cents, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1895, due the City of Yonkers, Westchester County, New York, amounting to six hundred and ninety-four dollars and seventeen cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same were adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10922 to 10936, inclusive, amounting to $1,209.39, and of estimates contained in Vouchers Nos. 10919 to 10921, inclusive, amounting to $3,153.20.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

NOTE.—On Wednesday, March 25, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, April 1, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee presented the following:

NEW YORK, March 25, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—By authority granted the Acting Chief Engineer at your meeting of March 11, 1896, I asked for bids for furnishing the necessary composition metal work and fittings for stop-planks at Reservoirs "M" and "D."

Bids were requested from six (6) different parties.

I inclose herewith a tabulated statement of the bids received and recommend that the work for furnishing the necessary material, etc., be awarded to Mr. John Fox, No. 160 Broadway, New York, his bid being the lowest, viz., $1,616.60.

I inclose herewith the original memorandum received from the parties invited to bid.

Yours respectfully, ALFRED CRAVEN, Acting Chief Engineer.

P. S.—The bids are based on *an estimated* amount of material.

NEW YORK, March 24, 1896.

ALFRED CRAVEN, Esq., *Chief Engineer, Aqueduct Commissioners, New York City:*

DEAR SIR—In reply to your invitation of March 13, I propose to furnish you the miscellaneous articles as called for by the specifications and print "B" at the following prices:

Wrought iron	$0.07 per pound.
Copper	22½ per pound.
Composition	18 per pound.
Brass	17¾ per pound.
Trolleys	18.35 each.

Gun-metal composition castings to be made of mixture in accordance with yours of March 18. Prices cover delivery f. o. b. at points called for.

I have been unable to hear from the mill in time for this proposal regarding the matter of tensile strength of brass bolts, but can assure you that they will be fully up to the standard in strength.

Hoping to receive your order, I am Yours respectfully, JOHN FOX.

And recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Acting Chief Engineer, the work of furnishing the necessary composition metal work and fittings for stop-planks at Reservoirs "M" and "D," be and hereby is awarded to John Fox, at his bid, as above set forth.

On motion of Commissioner Cannon, the same was adopted.

The Committee also presented the following communication received from the Acting Chief Engineer:

NEW YORK, March 23, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—In reply to invitation for bids for furnishing stop-planks for gate-houses at Carmel and Titicus Dams, I have received the following offers, to wit:

The Bradley & Currier Company, Limited, of New York (declined to bid).
Yellow Pine Company, of New York, $50 per thousand feet, B. M.
Lawrence Brothers, of Yonkers, $55 per thousand feet, B. M.
Jerome D. Barnes, Yonkers, $64 per thousand feet, B. M.

The quantity of lumber to be furnished amounts to approximately thirteen thousand (13,000) feet, B. M., which, at above rates, makes the amounts of respective bids, as follows:

Yellow Pine Company	$650 00
Lawrence Brothers	715 00
Jerome D. Barnes	832 00

With your approval, I will order the stop-planks of the Yellow Pine Company, at its bid of $50 per thousand feet, B. M., it being the lowest bid.

My estimate of the work was at the rate of $60 per thousand feet, B. M., or about $780.

I hand you herewith the original bids.

Yours respectfully, ALFRED CRAVEN, Acting Chief Engineer.

And recommended the adoption of the following resolution:

Resolved, That the Acting Chief Engineer be and hereby is authorized to order the necessary stop-planks for the gate-houses at the Carmel and Titicus Dams from the Yellow Pine Company, at its bid of fifty dollars per thousand feet, B. M., as above set forth; said bid being the lowest one received and less than the estimate of the Acting Chief Engineer.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, in accordance with the advice of the Counsel to the Corporation, contained in his communication to the Comptroller under date of November 26, 1895, the accompanying bill of George E. Sunderlin for refund of taxes paid by him on Parcel No. 9 of Reservoir "D," from

July 15, 1891, to August 14, 1894, amounting to $59.96, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for highway taxes for the year 1896, due the Town of Carmel, Westchester County, New York, amounting to ninety-six dollars, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The following was received :

BOARD OF ESTIMATE AND APPORTIONMENT, CITY OF NEW YORK.

Whereas, The Aqueduct Commissioners, on December 24, 1895, adopted the following preambles and resolution :

" Whereas, The Aqueduct Commissioners, upon the recommendation of the Committee on Construction, duly passed a resolution on the 6th day of October, 1886, authorizing the purchase of land adjacent to Shaft No. 13½ of the New Aqueduct for a dumping-ground, and thereafter the said Aqueduct Commissioners did appropriate said land for that purpose, but the same has never been purchased or paid for by the City ; and

" Whereas, It is alleged that on or about October 1, 1887, said land was purchased for said purpose by the contractors, at the request of the Aqueduct Commissioners, for the sum of twelve hundred and fifty dollars, for which a claim, with interest from said date, has been filed against the City, and it appearing to our satisfaction from the opinion of the Counsel to the Corporation that a valid claim for some compensation is due ; therefore

" Resolved, That (subject to the approval of the Board of Estimate and Apportionment) the Aqueduct Commissioners recommend a settlement of the said claim upon payment by them of the sum of twelve hundred and fifty dollars, without interest, provided the assignee of said claim will accept said amount in full settlement and procure a valid conveyance of the title of said land to the City of New York."

Resolved, That the Board of Estimate and Apportionment hereby approve of and concur in the aforesaid action of the Aqueduct Commissioners.

A true copy of preamble and resolutions adopted by the Board of Estimate and Apportionment, February 20, 1896. CHARLES V. ADEE, Clerk.

On motion of Commissioner Green, the same was ordered spread on the minutes and filed.

The Construction or Executive Committee presented a communication, received from the Secretary, reporting that the sum of $358.83 had been received from Division Engineer Wegmann, being for rental of buildings in the villages of Katonah and Croton Falls, Westchester County, New York, for the month of March, 1896, said buildings being the property of the City of New York, and under the control of the Aqueduct Commissioners ; and stating that said amount had been transmitted by him to the City Chamberlain, for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Tucker, the action of the Secretary was approved.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10942 to 10959, inclusive, amounting to $1,753.68, and of estimate contained in Voucher No. 10960, amounting to $10,035.91.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the minutes of meetings of January 22 and 29, February 5, 19 and 26, and March 11, 1896, were ordered approved.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, April 8, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works, and Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Acting Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment, viz.:

1st. Of L. Short, for photographs of work at New Croton Dam, amounting to $17.62.

2d. Of Oscar Miersch, for carting tools and carriage hire, amounting to $18.

3d. Of Seth Hoyt, for cleaning privy, amounting to $5.

4th. Of R. D. Philbin, for transportation, etc., amounting to $16.89.

5th. Of Robert L. Fraser, for transportation, etc., amounting to $10.49.

6th. Of William James, for board, amounting to $25.09.

On motion of Commissioner Green, the same was adopted.

The Committee presented the following communication, received from the Acting Chief Engineer:

NEW YORK, April 8, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—By authority granted the Acting Chief Engineer at you urch 11, 1896, I asked for bids for furnishing necessary ironwork and placing san stem of stop-plank lifts on Reservoirs "M" and "D," also iron railing and st Main Dam, Reservoir "D."

Bids were requested from the following parties, viz.:

Coldwell-Wilcox Company, Newburgh, N. Y.
John Fox, No. 160 Broadway, New York.
Skinner & Connolly, Yonkers, N. Y.

New Jersey Steel and Iron Company, No. 17 Burling Slip, New York.
William H. Brodie & Co., No. 39 Cortlandt street, New York.
Passaic Rolling Mills Company, Paterson, N. J.

Only three of the above firms or parties responded to my request. Their bids are as follows, to wit:

William H. Brodie & Co., No. 39 Cortlandt street, New York	$1,485 00
John Fox, No. 160 Broadway, New York	1,660 00
Coldwell-Wilcox Company, Newburgh, New York	1,722 00

I will recommend that the contract be awarded to William H. Brodie & Co. at their bid of $1,485, it being the lowest bid.

The Engineer's estimate for this work was $1,540.

I will call your attention to the fact that, as the work involved placing as well as furnishing, I had the form of agreement printed, and required a bond of $500 for the faithful completion of the work. I inclose herewith the original offers as received.

Yours, respectfully, ALFRED CRAVEN, Acting Chief Engineer.

And recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Acting Chief Engineer, the work of furnishing three sets of iron trolley beams, for stop-plank lifts and their appurtenances, and placing same at Gate-houses at the Main and Auxiliary Dams of Reservoir "D," near Carmel, Putnam County, New York, and at the Titicus Dam (Reservoir "M"), near Purdy's Station, Westchester County, New York; also an iron ladder, iron stairway, platform and railings, and placing same at the Main Dam, Reservoir "D," be and hereby is awarded to William H. Brodie & Company, at their bid of fourteen hundred and eighty-five dollars ($1,485), it being the lowest bid received and less than the estimate of the Acting Chief Engineer.

On motion of Commissioner Green, the same was adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10965 to 10970, inclusive, amounting to $113.06, and of estimates contained in Vouchers Nos. 10963 and 10964, amounting to $22,375.66.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, April 15, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works and Commissioners Duane, Cannon and Green.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That the accompanying bill for highway or road tax for the year 1896, due the Town of Kent, Putnam County, New York, amounting to ninety-four dollars and thirty-three cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Green, the same was adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10972 to 10985, inclusive, amounting to 341.19.

On motion of Commissioner Cannon, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, April 22, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the Chief Engineer be and hereby is authorized to employ the following persons for work at the Auxiliary Dam in Carmel, Putnam County, New York, or so many of them as he deems necessary, in the order in which their names are certified by the Civil Service Boards, viz.:

Foreman of Laborers—Patrick J. O'Toole.

Laborers—Gerhart Raters, Peter Merritt, Eli W. Hart, Myron Dingee, George Foss, August Anderson, John Kelly, Elmer Erickson, Charles H. Bennett, Charles E. Abel, William Malone, George Gallagher, Richard O'Brien, Nils Person.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the Chief Engineer be and hereby is authorized to hire teams and purchase the tools required to complete the equipment of the force needed to make the necessary repairs to the new roads around Reservoir "M," near Purdy's Station, Westchester County, New York, and to make certain changes on the top of the dam embankment, north of the gate-house, at said reservoir; the total cost of the same not to exceed the sum of six hundred dollars.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bill for taxes due School District No. 19, of the Town of Cortlandt, Westchester County, New York, for the year 1895, amounting to one hundred and

dollars and thirty-six cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, In the opinion of the Aqueduct Commissioners, the further sum of five hundred thousand dollars will be required to defray the necessary and lawful expenditures of said Commissioners ; now, therefore, be it

Resolved, That the Comptroller of the City of New York be and he is hereby requested to raise the sum of five hundred thousand dollars, upon bonds of the City of New York, in conformity with the requirements of section 32, chapter 490, Laws of 1883, of the State of New York, for the uses and purposes of the Aqueduct Commissioners, as set forth in said chapter and section of said law.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee also presented a communication, received from the Secretary, reporting that the sum of $229.31, being the amount of taxes paid by the City on property in Katonah, which has been refunded by the former owners, and the sum of $361.83, being for rental of buildings in the villages of Katonah and Croton Falls, Westchester County, New York, for the month of April, 1896, said buildings being the property of the City of New York and under the control of the Aqueduct Commissioners, had been received from Division Engineer Edward Wegmann ; and stating that said amounts had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipts therefor were on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

A communication was received from William H. H. Ely, transmitting a certified copy of an order discontinuing the action of Alvah Hyatt against John Flanagan and others.

Which was ordered filed.

The Committee on Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 10,987 to 10,996, inclusive, amounting to $344.82.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, April 29, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment, viz. :

1st. Of Mrs. C. S. Gowen, for rent of stable at Sing Sing, amounting to $30.

2d. Of A. McMullen & Co., for work in connection with diamond drill at New Croton Dam, amounting to $10.

3d. Of Kipp Steam Engine Works, for repairs to diamond drills, amounting to $110.88.

4th. Of W. F. Mellows, for services as veterinary surgeon and medicine, amounting to $9.50.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill of Charles F. Robertson, for labor and materials and furnishing team, amounting to fifteen dollars, be and hereby is approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolutions :

Resolved, That the action of the Chief Engineer in temporarily employing Patrick J. O'Toole as Foreman, for work at Carmel, N.Y., at a salary of forty (40) cents per hour, be and the same is hereby approved.

Resolved, That the action of the Chief Engineer in temporarily employing the following-named persons as Laborers, for work at Carmel, N. Y., at a salary of two dollars per day, be and the same is hereby approved :

Gerhart Raters, Eli W. Hart, George Foss, August Anderson, John Kelly, Charles E. Abel, William Malone, George Gallagher, Richard O'Brien.

Resolved, That the action of the Chief Engineer in appointing the following-named persons as Laborers, at two dollars per day, they having been certified by the Civil Service Commission as being eligible for such appointment, be and hereby is approved; their services commencing on April 24, 1896:

Gerhart Raters, Eli W. Hart, George Foss, August Anderson, John Kelly, Charles E. Abel, William Malone, George Gallagher, Richard O'Brien.

Resolved, That the action of the Chief Engineer in employing George R. Cole as a Driver, with team, on April 20, 1896, at four dollars per day, be and the same is hereby approved.

On motion of Commissioner Cannon, the same were adopted.

The following communication was received from the Chief Engineer:

NEW YORK, April 28, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—The New York City Civil Service Board having returned to the Secretary a list of one Foreman and fourteen (14) Laborers, for the work to be done at Purdy's Station, I would respectfully ask that Samuel S. Austin be appointed Foreman, at a salary of forty cents per hour ($3.20 for eight hours' work), and that you appoint also twelve (12) Laborers in the order of the list furnished by the Civil Service Board, viz.:

Samuel S. Austin, Purdy's Station, Foreman; Richard Early, Jr., Purdy's Station, Laborer; Franklin O. Banks, North Salem, Laborer; William F. Coursen, Purdy's Station, Laborer; Harvey Green, Croton Falls, Laborer; Albert Martin, Croton Falls, Laborer; John Williams, Purdy's Station, Laborer; Raymond L. Smith, Purdy's Station, Laborer; William McCoy, Purdy's Station, Laborer; Stephen Fuller, Purdy's Station, Laborer; Henry W. Vores, Croton Falls, Laborer; Frank L. Peirano, Purdy's Station, Laborer; Arthur Smith, Croton Falls, Laborer; James H. Loughlin, Croton Falls, Laborer; Henry J. Tompkins, North Salem, Laborer.

Yours, respectfully, A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolutions:

Resolved, That, upon the recommendation of the Chief Engineer, Samuel S. Austin be and hereby is appointed Foreman, for work at Purdy's Station, New York, at a salary of forty (40) cents per hour, he having been certified by the Civil Service Commission as being eligible for such appointment, his services to begin when assigned to duty by the Chief Engineer.

Resolved, That, upon the recommendation of the Chief Engineer, the following-named persons be and hereby are appointed Laborers, at two dollars per day, they having been certified by the Civil Service Commission as being eligible for such appointment, their services to commence when assigned to duty by the Chief Engineer:

Richard Early, Jr., Franklin O. Banks, William F. Coursen, Harvey Green, Albert Martin, John Williams, Raymond L. Smith, William McCoy, Stephen Fuller, Henry W. Vores, Frank L. Peirano, Arthur Smith.

On motion of Commissioner Cannon, the same were adopted.

Commissioner Cannon then moved that, in case any of the first twelve persons whose names appear on the eligible list do not report for duty, the Chief Engineer is authorized to fill the vacancies by the appointment of the persons whose names remain on said eligible list. Carried.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11004 to 11009 inclusive amounting to $130.94.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, May 6, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment :

First—Of George R. Cole, for use of team and driver at Carmel, amounting to $18.

Second—Of Seth Hoyt, for cleaning privy at Katonah, amounting to $5.

Third—Of James McCartney, for use of horse, wagon and tools, and for sand, cement and lumber purchased, amounting to $158.90.

Fourth—Of George R. Cole, for professional services in attending a sick horse at Carmel, amounting to $7.40.

Fifth—Of Robert L. Fraser, for transportation and board, amounting to $17.14.

Sixth—Of Richard D. Philbin, for board, etc., amounting to $25.59.

Seventh—Of William James, for board, amounting to $26.80.

Eighth—Of Bert. Tompkins, for transportation, amounting to $4.24.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due School District No. 1, of the Town of Somers, Westchester County, New York, for the year 1895, amounting to one hundred and four dollars and fifty-six cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Chief Engineer of this Commission, under date of May 6, 1896, has certified that, in his opinion, John Flanagan & Son have completely performed and carried out the provisions of the contract made by them with this Commission on the 25th day of September, 1894, for constructing highways or roads and their appurtenances, fences, etc., at Reservoir "D," in the Towns of Carmel and Kent, Putnam County, New York, and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said contract, and of the true value thereof; therefore, be it

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by John Flanagan & Son under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said contract be approved by the Commissioners and certified to the Comptroller for payment.

The same was adopted by the following vote :

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11012 to 11030, inclusive, amounting to $3,152.60, and of estimates contained in Vouchers Nos. 11031 to 11035, inclusive, amounting to $60,799.50.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN,
Secretary.

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, May 13, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, May 20, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in appointing James H. Loughlin and Henry J. Tompkins, Laborers, at two dollars per day, they having been certified by the Civil Service Commission as being eligible for such appointment, be and hereby is approved, their services commencing on May 5, 1896.

On motion of Commissioner Cannon, the same was adopted.

The Committee presented the following communication, received from the Chief Engineer:

NEW YORK, May 20, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—In 1890 the Aqueduct Commissioners erected at Shaft No. 25 four (4) steam boilers for the purpose of furnishing steam to the pumping apparatus established in the Gate-house for the emptying of the siphon under the Harlem river. The price paid to the West Point Manufacturing Company for the said boilers, erected and complete, was $11,900. They were housed in a temporary wooden building which cost $3,635.

When the Department of Public Works began work on its new pumping station the wooden structure was taken down and the boilers were set aside for future use.

I desire, for your information, to state that these boilers have been re-erected by the Department of Public Works in their new building, and that they are to be used for the new pumping

engines, with a pipe connection, for the purpose of furnishing power to the siphon machinery when the necessity arises to empty the Aqueduct under the Harlem river.

Yours, respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Cannon, the same was ordered spread upon the minutes and filed.

The Committee also presented a communication, received from the Secretary, reporting that the sum of $16.50, being proceeds of sale of reports of the Aqueduct Commissioners (1887–1895), had been transmitted by him to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file; also reporting that the sum of $44.93 had been received from Division Engineer Alfred Craven, being net proceeds of sale of buildings, etc., standing within the limits of Reservoir "D," on the West Branch of Croton river, near Carmel, New York, and stating that said amount had been likewise transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

The Committee also presented a communication from the Secretary, reporting that the sum of $632.83 had been received from Division Engineer Wegmann, being the amount of rent collected on buildings in the villages of Katonah and Croton Falls, New York, for the month of May, 1896, said property being owned by the City of New York and under the control of the Aqueduct Commissioners, and stating that said amount had been transmitted by him to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11040 to 11063, inclusive, amounting to $836.34.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, May 27, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, June 3, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11073 to 11087, inclusive, amounting to $366.32, and of estimates contained in Vouchers Nos. 11070 to 11072, inclusive, amounting to $48,563.13.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolutions:

Resolved, That the action of the Chief Engineer in discharging Laborer Walter Slote on May 16, 1896, be and hereby is approved.

Resolved, That the action of the Chief Engineer in discharging Laborer Harvey Green on May 18, 1896, be and hereby is approved.

On motion of Commissioner Tucker, the same were adopted.

The Committee also recommended that the following resolution, adopted on April 1, 1896, be and hereby is rescinded:

"Resolved, That, in accordance with the advice of the Counsel to the Corporation, contained in his communication to the Comptroller under date of November 26, 1895, the accompanying bill of George E. Sunderlin for refund of taxes paid by him on Parcel No. 9 of Reservoir 'D,' from

July 15, 1891, to August 14, 1894, amounting to fifty-nine dollars and ninety-six cents, is hereby approved and ordered certified to the Comptroller for payment."

And, in lieu thereof, recommended the adoption of the following resolution:

Resolved, That, subject to the approval of the Board of Estimate and Apportionment, and in accordance with the advice of the Counsel to the Corporation, contained in his communication to the Comptroller under date of November 26, 1895, the accompanying bill of George E. Sunderlin for refund of taxes paid by him on Parcel No. 9 of Reservoir "D," from July 15, 1891, to August 14, 1894, amounting to fifty-nine dollars and ninety-six cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Cannon, the recommendation was approved and the resolution adopted.

The Committee presented a communication, received from the Secretary, reporting that he had transmitted the sum of forty dollars to the City Chamberlain for the credit of the "Additional Water Fund," and his receipt therefor was on file, said amount being in payment for timber cut and taken from land in the vicinity of the New Croton Dam owned by the City of New York and under the control of the Aqueduct Commissioners.

On motion of Commissioner Cannon, the action of the Secretary was approved.

The Comptroller, under date of May 29, 1896, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners for

Reservoir "D"	$10,516 00
Croton Falls	460 50
Cornell Dam	125 00
Jerome Park Reservoir	392 66
Reservoir "M"	203 15

—leaving a balance to the credit of the "Additional Water Fund" of $6,978.95.

Which was ordered entered upon the books of the Commissioners and filed.

On motion of Commissioner Tucker, the minutes of meetings of March 18 and April 1, 8, 15, 22 and 29 and May 6 and 20, 1896, were ordered approved.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Special Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Tuesday, June 9, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11089 to 11096, inclusive, amounting to $116.96.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment, viz. :

1st. Of George R. Cole, for use of team, with driver, in repairing highways in Reservoir "D," amounting to $40.

2d. Of R. D. Philbin, for transportation, amounting to $11.64.

3d. Of William James, for transportation and board, amounting to $18.52.

4th. Of Robert L. Fraser, for transportation, amounting to $11.39.

5th. Of Bert Tompkins, for transportation, amounting to $22.84.

On motion of Commissioner Tucker, the same was adopted.

The Committee presented a communication received from the Secretary, reporting that the sum of $115.70 had been received from Division Engineer Wegmann, being net proceeds of sale at public auction of buildings belonging to the City of New York and under the control of the Aqueduct Commissioners at Katonah, Westchester County, New York (New Croton Reservoir), and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

A certificate and medal of award for careful preparation and evidence of excellent design and workmanship of maps and charts, displayed at the International Exhibition held in the City of Chicago, State of Illinois, in the year 1893, were received from the Committee on Awards of the World's Columbian Commission.

On motion of Commissioner Cannon, the Secretary was instructed to cause said certificate to be suitably framed, and to place it and the medal of award on file in the office of the Commissioners.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, June 17, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green,

The Construction or Executive Committee recommended the adoption of the following preamble and resolution :

Whereas, The Chief Engineer of this Commission has certified in writing, under date of June 16, 1896, that Coldwell-Wilcox Company have completely performed and carried out the provisions of the agreement made by them with this Commission on the 17th day of March, 1896, for furnishing two metal sluice-gates, with their hoisting apparatus and other appurtenances, and placing the same in the gate-house of the Main Dam, near Carmel, Putnam County, N. Y., and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said agreement, and of the true value thereof ; therefore

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by Coldwell-Wilcox Company under the agreement above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said agreement be approved by the Aqueduct Commissioners and certified to the Comptroller for payment.

The same was adoped by the following vote :

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee presented a communication, received from the Secretary, reporting that the sum of $600.50 had been received from Division Engineer Wegmann, being rental of buildings owned by the City of New York and under the control of the Aqueduct Commissioners in the villages of Katonah and Croton Falls, N. Y., for the month of June, 1896, and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Green, the action of the Secretary was approved.

The following was received from the Board of Estimate and Apportionment :

"Resolved, That the Board of Estimate and Apportionment hereby concurs in and approves of the resolution of the Aqueduct Commissioners, adopted on June 3, 1896, certifying to the Comptroller for payment a bill of George E. Sunderlin for refund of taxes paid by him on Parcel No. 9 of Reservoir 'D,' from July 15, 1891, to August 14, 1894, amounting to fifty-nine dollars and ninety-six cents ($59.96).

"A true copy of resolution adopted by the Board of Estimate and Apportionment June 9, 1896.

"CHAS. V. ADEE, Clerk."

On motion of Commissioner Cannon, the same was ordered spread on the minutes and filed.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11099 to 11102, inclusive, amounting to $66.78, and of estimate contained in Voucher No. 11098, amounting to $1,499.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

NOTE.—On Wednesday, June 24, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Special Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Monday, June 29, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works and Commissioners Tucker, Cannon and Green.

Vice-President Tucker in the chair.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment, viz.:

1st. Of S. Bradley, for services as veterinary surgeon, amounting to $20.

2d. Of William James, for transportation, amounting to $8.94.

3d. Of R. D. Philbin, for transportation, etc., amounting to $18.92.

4th. Of Robert L. Fraser, for transportation, amounting to $16.49.

5th. Of Bert Tompkins, for transportation, amounting to $19.76.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of W. H. Langler, for transportation, amounting to $52.74, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolutions:

Resolved, That, subject to the approval of the Board of Estimate and Apportionment, and in accordance with the advice of the Counsel to the Corporation, contained in a communication to the Comptroller under date of November 26, 1895, the accompanying bill of Sarah A. Travis, for

refund of taxes paid by her on Parcel No. 27 of Reservoir "D," amounting to $68.81, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That, subject to the approval of the Board of Estimate and Apportionment, and in accordance with the advice of the Counsel to the Corporation, contained in a communication to the Comptroller under date of November 26, 1895, the accompanying bill of Frances E. Cornish, for refund of taxes paid by her on Parcels Nos. 20, 22, 28 and 29 of Reservoir "D," amounting to $65.83, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That, subject to the approval of the Board of Estimate and Apportionment, and in accordance with the advice of the Counsel to the Corporation, contained in a communication to the Comptroller under date of November 26, 1895, the accompanying bill of Benjamin Secord, for refund of taxes paid by him on Parcels Nos. 6, 7 and 8 of Reservoir "D," amounting to $28.39, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That, subject to the approval of the Board of Estimate and Apportionment, and in accordance with the advice of the Counsel to the Corporation, contained in a communication to the Comptroller under date of November 26, 1895, the accompanying bill of Chancey Smith, for refund of taxes paid by him on Parcels Nos. 30 and 36 of Reservoir "D," amounting to $76.62, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Cannon, the same were adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the resolution adopted by the Commissioners on June 9, 1896, approving and ordering certified to the Comptroller for payment the bill of William James for transportation and board, amounting to eighteen dollars and fifty-two cents ($18.52), be and hereby is amended so as to read eighteen dollars and sixty-two cents ($18.62).

On motion of Commissioner Cannon, the same was adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11108 to 11120, inclusive, amounting to $679.36.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

NOTE.—On Wednesday, July 1, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

NOTE.—On Wednesday, July 8, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, July 15, 1896, at 3 o'clock P. M.

Present—Commissioner of Public Works and Commissioners Duane, Tucker and Green.

The Construction or Executive Committee recommended the adoption of the following resolutions:

Resolved, That the action of the Chief Engineer in discharging Laborer Albert Martin on May 27, 1896, be and hereby is approved.

Resolved, That the action of the Chief Engineer in discharging Journeyman Machinist William James on June 27, 1896, be and hereby is approved.

On motion of Commissioner Green, the same were adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Coldwell-Wilcox Company for bronze screws for the gates at Carmel Dam, amounting to two hundred and fifty dollars, be and hereby is approved.

On motion of Commissioner Green, the same was adopted.

The Committee presented the following communication, received from the Chief Engineer:

NEW YORK, JULY 14, 1896.

To the Honorable, The Committee on Construction:

GENTLEMEN—In accordance with the authority given me by your Committee, I have invited bids for the pipes necessary for Shaft No. 25 from the following firms:

McNeal Pipe and Foundry Company, Burlington, N. J.; Camden Iron Works, Camden, N. J.; Warren Foundry and Machine Company, New York; R. D. Wood & Co., Philadelphia, Pa. All have tendered bids as follows, with the exception of the Camden Iron Works:

Warren Foundry and Machine Company—The prices are according to the different pieces to be furnished: 2 cents, 3 cents, 3½ cents, 4 cents, 4½ cents, 5 cents, 6 cents per pound, respectively.

McNeal Pipe and Foundry Company—4 cents per pound.
R. D. Wood & Company—3⅜ cents per pound.

—equivalent to the following for the whole order :

Warren Foundry and Machine Company	$2,739 73
McNeal Pipe and Foundry Company	2,491 00
R. D. Wood & Co	2,100 78

All these bids are based on the exact weight of the iron to be furnished, but the contract specifies a margin of five per cent. within which the castings can be accepted, so the amount may vary to that extent from the bid.

The bid of R. D. Wood & Co. for that class of work is reasonable, and, it being the lowest, I have given them the order.

Yours respectfully,

A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in ordering from R. D. Wood & Co. the pipes necessary for Shaft No. 25 of the New Aqueduct, at their bid as above set forth, be and hereby is approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer :

NEW YORK, July 14, 1896.

To the Honorable, The Committee on Construction :

GENTLEMEN—Mr. Dykman suggests that, in view of the great demand that will evidently occur for the land maps of the New Croton Reservoir, which are now ready, it would be advisable to lithograph them to the extent of one hundred copies each ; there are one general map and fourteen (14) others, making in all 1,500 copies wanted. The cost of the same will be about $600, and it is Mr. Dykman's opinion that it would be to the advantage of the City to incur that expense in connection with the extensive taking of land which will take place. I consequently recommend that you authorize the printing of the maps.

Yours respectfully,

A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolution :

Resolved, That authority is hereby given for printing one hundred copies each of general map and fourteen other maps showing certain additional parcels of land required for the construction of the New Croton Reservoir, in the towns of Cortlandt, Yorktown, Newcastle, Bedford, Somers, Lewisboro and North Salem, Westchester County, New York.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the work of making the necessary repairs to the roof of the office building at Katonah, Westchester County, New York, occupied by Division Engineer Wegmann and party, is hereby awarded to Ball Brothers, the lowest bidders, at their bid of two hundred dollars ; and

the painting of the additional roof surface is hereby authorized to be done at an expense of not to exceed fifty dollars.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the Chief Engineer be and hereby is authorized to hire teams and purchase the tools required to complete the equipment of the force needed to make the necessary repairs to the new roads around Reservoir "M," near Purdy's Station, Westchester County, New York, and to make certain changes on the top of the dam embankment, north of the gate-house, at said reservoir.

On motion of Commissioner Green, the same was adopted.

The Committee also presented final plan sheet, described as "Exhibit No. 3 of 1896," submitted by the Commissioner of Public Works on July 14, 1896, showing certain additional parcels of land required for the construction of the New Croton Reservoir in the towns of Cortlandt, Yorktown, Newcastle, Bedford, Somers, Lewisboro and North Salem, Westchester County, New York, and recommended the adoption of the following resolution :

Resolved, That, for the more efficient carrying out of the provisions of chapter 490 of the Laws of 1883 of the State of New York, and the acts amendatory thereof, we, the Aqueduct Commissioners, do hereby approve and adopt the aforesaid final plan sheet, showing certain additional parcels of land required for the construction of the New Croton Reservoir in the towns of Cortlandt, Yorktown, Newcastle, Bedford, Somers, Lewisboro and North Salem, Westchester County, New York, and direct that the same be duly certified and filed in this office and designated "Final Plan Sheet No. 3 of 1896;" and that a copy thereof be certified and transmitted to the Commissioner of Public Works for filing in his office, as required by section 25 of the aforesaid act.

The same was adopted by the following vote :

Affirmative—The Commissioner of Public Works and Commissioners Duane, Tucker and Green—4.

The Committee also presented six similar property maps, submitted by the Commissioner of Public Works on July 14, 1896, showing certain additional parcels of land required for the construction of the New Croton Reservoir in the towns of Cortlandt, Yorktown, Newcastle, Bedford, Somers, Lewisboro and North Salem, Westchester County, New York, and recommended the adoption of the following resolution :

Resolved, That the six similar property maps, received from the Commissioner of Public Works on July 14, 1896, showing certain additional parcels of land required for the construction of the New Croton Reservoir in the towns of Cortlandt, Yorktown, Newcastle, Bedford, Somers, Lewisboro and North Salem, Westchester County, New York, be and the same are hereby approved and adopted, and directed to be certified to the Counsel to the Corporation for filing and delivery to the Commissioners of Appraisal, in accordance with the provisions of chapter 490 of

the Laws of 1883 of the State of New York ; and the Counsel to the Corporation is hereby requested to take the steps necessary to acquire for the City, under chapter 490 of the Laws of 1883 of the State of New York, the fee in the lands described on said maps ; and the Secretary is hereby directed to furnish to the Counsel to the Corporation all maps, plans, etc., which he may require in the premises.

The same was adopted by the following vote :

Affirmative—The Commissioner of Public Works and Commissioners Duane, Tucker and Green—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill for taxes due School District No. 9, of the towns of Carmel and Kent, Putnam County, New York, for the year 1895, amounting to thirty-eight dollars and fourteen cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also presented a communication, received from the Secretary, reporting that the sum of $15.00 had been received from Division Engineer Craven, being net amount of proceeds of public sale of hay at Reservoir " M," and stating that said amount had been transmitted to the City Chamberlain for the credit of the " Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Green, the action of the Secretary was approved.

The Committee also presented a communication, received from the Secretary, reporting that the sum of $619.83 had been received from Division Engineer Wegmann, being amount of rent collected on buildings owned by the City of New York and under the control of the Aqueduct Commissioners in the villages of Katonah and Croton Falls, New York, for the month of July, 1896, and stating that said amount had been transmitted to the City Chamberlain for the credit of the " Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Green, the action of the Secretary was approved.

The following was received from the Board of Estimate and Apportionment :

" Whereas, The Aqueduct Commissioners by resolutions adopted June 29, 1896, authorized the refunding of the following amounts to the following described persons, viz. :

" Sarah A. Travis, for taxes paid on Parcel No. 27, of Reservoir ' D,' $68.81.

" Frances E. Cornish, for taxes paid on Parcels Nos. 20, 22, 28 and 29 of Reservoir ' D,' $65.83.

" Benjamin Secord, for taxes paid on Parcels Nos. 6, 7 and 8 of Reservoir ' D,' $28.39.

" Chancey Smith, for taxes paid on Parcels Nos. 30 and 36 of Reservoir ' D,' $76.62.

" Resolved, That the Board of Estimate and Apportionment hereby approves of and concurs in such action of the Aqueduct Commissioners.

" A true copy of preamble and resolution adopted by the Board of Estimate and Apportionment July, 2, 1896. CHAS. V. ADEE, Clerk."

On motion of Commissioner Green, the same was ordered filed.

The Secretary gave notice of the filing of a lien by Thomas Dillard against John B. McDonald, contractor for the construction of the Jerome Park Reservoir, near Kingsbridge, New York city, for services rendered and materials furnished, amounting to $19.90, together with a satisfaction-piece of said lien.

Which were ordered filed.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11,127 to 11,155, inclusive, amounting to $943.26, and of estimates contained in Vouchers Nos. 11,124 to 11,126, inclusive, amounting to $44,531.22.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, July 22, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11,160 to 11,170, inclusive, amounting to $1,053.53.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented the following communication, received from the Chief Engineer :

NEW YORK, July 22, 1896.

To the Honorable the Committee on Construction :

GENTLEMEN—In accordance with the authority given, invitations were sent to seven parties for the construction of additional post and rail fences at Reservoirs "M" and "D."

The names of the parties communicated with are as follows :

Oscar Miersch, Ellsworth Fowler, Patrick Curran, William Gilmore, John L. Merritt, John Twiname, and Truman Hadden.

Answers have been received from four bidders only, as follows :

	FENCING.	
	Reservoir "M."	Reservoir "D."
(1) John Palmer & Co.	$2,351 00	$3,353 25
(2) William Gilmore	2,946 40	4,961 10
(3) John Twiname	3,256 00	4,585 00
(4) Patrick F. Curran	3,976 50	5,354 30

The price of the lowest bidders, Messrs. Palmer & Co., is very low, but they are, I believe, responsible, and I respectfully recommend that the contract be given to them.

The estimate of the Engineer for the same was $3,100 for Reservoir "M" and $4,200 for Reservoir "D." The bids are submitted herewith.

Respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Cannon, the same was laid on the table.

The Secretary presented abstract of trial balance, showing the expenditures of the Aqueduct Commission from its inception to July 1, 1896.

On motion of Commissioner Cannon, the same was received and ordered spread upon the minutes as follows:

Abstract of Trial Balance, July 1, 1896.

Commissioners' Office.		
Salaries of Commissioners	$294,601 90	
Salaries of Secretary and employees	175,179 12	
Stationery	4,952 78	
Furniture and fixtures	3,432 26	
Rent	53,424 20	
Incidental expenses	9,037 79	
Books, maps and drawings	769 05	
Traveling expenses	2,311 00	
Advertising	32,826 19	
Stenographic reports	4,345 89	$580,880 18
Chief Engineer's Office.		
Salaries of Engineers, etc	$564,729 59	
Stationery	7,625 42	
Furniture and fixtures	4,657 69	
Rent	62,929 55	
Incidental expenses	9,325 12	
Books, maps and drawings	23,241 70	
Consulting Engineer's fees	100 00	
Drawing instruments, tables and materials	4,836 22	
Testing machines and tests	8,211 81	685,657 10
Tarrytown Office.		
Salaries of Engineers	$57,692 24	
Stationery	1,180 41	
Furniture and fixtures	750 25	
Rent	6,600 00	
Incidental expenses	4,227 91	

Books, maps and drawings	$92 81	
Drawing instruments, tables and materials	1,127 78	
Laborers on the line	2,703 17	
Drivers and Laborers	19,989 03	
Field instruments and implements	8,791 99	
Traveling expenses	4,094 53	
Harness and stable fittings	2,051 20	
Maintenance—Horses, wagons and harness	11,122 82	
Horses	3,573 00	
Wagons	1,518 00	
Hire of horses and wagons	2,947 25	
		$128,462 39
Division Engineers.		
Salaries of Engineers and Laborers, old account	$154,834 84	
Salaries of Engineers and Laborers, new account	1,772,569 99	
Stationery	8,086 86	
Furniture and fixtures	5,952 91	
Rent	27,010 63	
Incidental expenses	21,142 56	
Books, maps and drawings	683 44	
Drawing instruments, tables and materials	3,854 16	
Field instruments and implements	18,927 48	
Traveling expenses	10,131 09	
Harness and stable fittings	2,600 44	
Maintenance—Horses, wagons and harness	21,745 78	
Horses	3,915 00	
Wagons	2,885 40	
Heating headquarters	12,916 88	
Hire of horses and wagons	3,030 60	
Testing machines and tests	3,346 92	
Laborers on the line	15 75	
Auxiliary offices	4,187 12	
		2,077,837 85
Croton Lake Survey.		
Salaries of Engineers and Laborers	$39,620 04	
Incidental expenses	17 34	
Field instruments and implements	583 16	
Traveling expenses	340 92	
Hire of horses and wagons	130 25	
Maintenance—Horses, wagons and harness	51 60	
Rent	24 00	

Harness and stable fittings	$0 45	
Drawing instruments, tables and materials	1 00	
		$40,768 76
New Reservoir Survey.		
Salaries—Engineers and Laborers	$9,588 00	
Drawing instruments, tables and materials	25 68	
Field instruments and implements	434 31	
Furniture and fixtures	6 38	
Traveling expenses	8 54	
Stationery	3 91	
Incidental expenses	52 06	
		10,118 88
Sodom Dam Survey.		
Salaries—Engineers and Laborers	$7,072 68	
Maintenance—Horses and wagons	2 00	
Field instruments and implements	86 49	
Hire of horses and wagons	50 75	
Incidental expenses	44 98	
Stationery	1 50	
Traveling expenses	47 10	
		7,305 50
Surveying Dam Sites.		
Salaries of Engineers and Laborers	$36,402 76	
Stationery	33 30	
Hire of horses and wagons	102 00	
Field instruments and implements	114 42	
Heating headquarters	6 93	
Furniture and fixtures	37 50	
Traveling expenses	930 16	
Drawing instruments, tables and materials	7 80	
Incidental expenses	57 55 896 18	
Maintenance—Horses and wagons	793 95	
Rent	815 70	
Books, maps and drawings	8 00	
		40,206 25
Principal Assistant Engineer, New York Office.		
Heating headquarters	$9 25	
Stationery	59 06	
Furniture and fixtures	36 24	
Incidental expenses	53 36	
		157 91

Aqueduct Commissioners' Report, 1883–1887	$8,901 51	
Aqueduct Commissioners' Report, 1887–1892	5,011 13	
Engraving and printing	29,565 77	
Reports of Engineers and Aqueduct Commissioners on Quaker Bridge Dam	1,473 16	
Reports of Engineers on High Masonry Dam	490 75	
Construction damages	699 50	
Claims for damages	2,438 50	
Taxes on lands	28,282 90	
Land agents	1,168 65	
Diamond rock-boring drills	157,732 46	
Diamond rock borings	7,096 17	
Monumenting the line	3,712 98	
Monumenting Sodom Dam Survey	1,546 72	
Monumenting Aqueduct Tunnel—Division Engineer	143 72	
Models	1,355 43	
Observatory towers	1,805 95	
Judgments	37,019 34	
Land and land damages	70,878 07	
Examination of ventilation and lighting	1,306 36	
Examining Engineers	11,041 82	
Board of Experts, etc., Quaker Bridge Dam	12,550 00	
Experts examining construction work	11,926 16	
Experts on water-gates and other machinery	210 00	
Inspection of cast-iron pipes, etc	8,414 30	
East Branch Reservoir, incidental expenses	165 00	
Abating nuisances in the Croton water-shed	12,927 58	
Monumenting Brewster Reservoir	393 00	
		$418,256 93

Contracts.

	ESTIMATE.	CONTRACTOR.		
Section 1	Final.	Smith & Brown	$649,964 62	
" 2	"	Brown, Howard & Co	2,493,664 38	
" 3	"	"	1,838,247 04	
" 4	"	"	1,807,819 50	
" 5	"	"	812,370 91	
" 6	"	O'Brien & Clark	748,852 97	
" 7	"	"	1,783,419 68	
" 8	"	"	1,457,678 22	

	ESTIMATE.	CONTRACTOR.	
Section 9	Final.	O'Brien & Clark	$1,924,161 07
" B	"	Heman Clark	1,516,572 46
" A	"	"	1,105,840 58
" 12	"	Chas. Peterson, assignee of O'Brien & Clark	140,182 91
" 12	"	O'Brien & Clark	401,740 13
" 13	"	John Brunton & Co	427,641 42
" 14	"	"	647,869 75
" 15	"	Richard A. Malone	156,358 20
" 15½	"	Robert Hanna & Co	27,416 82
" 16	"	O'Brien & Clark	1,013,220 54
" 17	"	Richard J. Malone	37,621 69
East Branch Reservoir Dam	"	Sullivan, Rider & Dougherty	436,499 05
Dams 1 and 2, and adjacent tunnel	"	David R. Paige & Co	329,798 04
Deepening and finishing Shaft No. 24	"	O'Brien & Clark	91,904 59
Iron-lined masonry Aqueduct, near Shaft 30	"	Breuchaud, Pennell & Co	69,369 20
Stop-cock valves, etc., on Section 15	"	Coldwell, Wilcox & Co	19,649 53
Gate-house superstructure, etc., at Pocantico	"	John Peirce	21,717 92
Shaft 13A, Section 7	"	O'Brien & Clark	22,963 40
" 13½, " 7	"	"	18,093 69
" 15½, " 7	"	John A. Lee	15,412 90
One Hundred and Thirty-fifth Street Gate-house doors, windows, etc., Section 15	"	Charles W. Palmer	6,935 00
Cast-iron work, wrought-iron work, etc., New Croton Gate-house, Section	"	Coldwell, Wilcox & Co	16,057 02
Highways or roads, etc., at East Branch and Bog Brook Reservoirs	"	Clinton Stephens	90,851 69
Gate-house superstructure walls for blow-off chamber at Ardsley, Section 7	"	O'Brien & Clark	4,900 00
Cutting timber and clearing grounds, East Branch and Bog Brook Reservoirs	"	Pennell & O'Hern	8,975 00
22 2' x 5' sluice-gates, etc., Sections 15 and 17	"	John Fox	14,190 00
3' x 4' sluice-gates, etc., Pocantico, Ardsley and South Yonkers Gate-houses, Sections 4, 7 and 9	"	"	6,750 00
3' x 6' sluice-gates, etc., New Croton Gate-house, Section 1	"	"	21,900 00
Earth and masonry dam, Reservoir "M," on Titicus river, near Purdy's Station	"	Washburn, Shaler & Washburn	970,329 11
Gate-house superstructure at South Yonkers, Section 9	"	O'Brien & Clark	20,349 79
Gate-house superstructure, etc., for new gate chambers at Croton Dam, Section	"	Smith, Brown & Coleman	51,783 01
Combined stationary hoisting engines, etc., for Shaft 25, Section 12	"	Charles Peterson	11,250 00

	ESTIMATE.	CONTRACTOR.		
Two pairs horizontal tubular boilers, etc., Shaft 25, Section 12	Final.	West Point Manufacturing Company	$11,900 00	
Earth and masonry dam, Reservoir "D"	"	Michael S. Coleman	127,039 74	
Earth and masonry dam, Reservoir "D"	"	Coleman and Washburn & Washburn, assignees of Michael S. Coleman	276,201 90	
Auxiliary earth and masonry dam, near Craft's Station, Reservoir "D"	"	Michael S. Coleman	57,480 99	
Auxiliary earth and masonry dam, near Craft's Station, Reservoir "D"	"	Coleman and Washburn & Washburn, assignees of Michael S. Coleman	98,614 59	
Eleven head-house superstructures, etc., for the shafts	"	Breuchaud, Pennell & Co	40,251 28	
Blow-off Shaft 24, Section A	"	John M. Waddle	1,644 91	
" 24, " A	"	John F. Gaynor, assignee of John M. Waddle	19,557 43	
" 24, " A	"	New York Central and Hudson River Railroad Company	491 84	
Two complete portable hoisting plants	"	West Point Manufacturing Company	7,800 00	
Highway, retaining-walls, appurtenances, etc., Croton Dam	"	Augustine M. Newton	16,717 09	
Grading, improving and fencing grounds, One Hundred and Thirty-fifth Street Gate-house	"	Peter J. Moran	9,564 77	
Grading, improving and fencing grounds at several of the shafts	"	Hyman Levy and Thomas Quinn	22,374 14	
Head-house and engine-room Shaft 25, Section 12, superstructure, etc	"	John Peirce, assignee of W. H. Baker	43,605 80	
Two brick engine-houses for portable hoisting plants	"	John Twiname	9,546 00	
New Croton Dam	27	James S. Coleman	660,104 90	
"	44	Coleman, Ryan & Brown, assignees of James S. Coleman	355,079 52	
Fencing boundary for East Branch Reservoir	Final.	John E. Brooks	10,647 73	
Highways or roads and appurtenances at Reservoir "D"	"	Peter J. Moran	3,083 52	
Highways or roads and appurtenances at Reservoir "D"	"	John Flanagan, assignee of Peter J. Moran	96,481 11	
Highways or roads and appurtenances at Reservoir "M"	"	John Twiname	66,866 83	
Highways or roads and appurtenances at Reservoir "D"	"	John Flanagan & Son	128,643 92	
Highways or roads and appurtenances at Reservoir "D"	"	William E. Nolan	2,051 17	
Six sluice-gates with hoisting apparatus, Gate-house, Titicus Dam	"	Coldwell-Wilcox Co	4,479 00	
New highways, etc., Lines 1 and 4	9	John Twiname	12,076 74	
Jerome Park Reservoir	9	John B. McDonald	108,154 19	
Highways or roads, etc., crossing East Branch, Reservoir "D"	Final.	Patrick F. Curran	12,648 26	
Total contracts	....			$23,443,429 20

Agreements.

	ESTIMATE.	CONTRACTOR.	
Shaft 11C, Section 5	Final.	Brown, Howard & Co	$5,000 00
" 12C, " 6	"	O'Brien & Clark	5,000 00

	ESTIMATE.	CONTRACTOR.	
Shaft 16½, Section 8	Final.	O'Brien & Clark	$5,000 00
" 18½, " 9	"	"	5,000 00
" 19½, " B	"	Heman Clark	5,000 00
" 17½, " 8	"	Thomas O'Hern	2,222 12
Culvert at Shaft 19, Section 9	"	O'Brien & Clark	4,893 74
" 20, " B	"	Heman Clark	2,932 05
" 23, " A	"	O'Brien & Clark	3,208 86
Crib dock, near Shaft 25, Section 12	"	Charles Peterson	3,694 60
Ironwork—For Saw Mill River Blow-off, etc., Section 7	"	Coldwell, Wilcox & Co	1,962 57
Ironwork—For Pocantico Blow-off, etc., Section 4	"	"	144 11
Ironwork—For Tibbett's Brook Blow-off, etc., Section 9	"	"	144 11
Ironwork—For lining Shafts 22 to 24, Section A	"	"	3,463 43
Ironwork—For lining Shaft 20, Section B	"	"	2,663 28
Ironwork—For lining Shaft 28, Section 13	"	"	2,315 02
Ironwork—For lining Shaft 29, Section 14	"	"	2,358 57
Cast and wrought iron ladders for shafts, Sections to 9 and B and A	"	"	2,824 25
Roof, iron floor plates, etc., at Ardsley Gate-house, Section 7	"	"	3,326 70
Cast-iron special pipe lining and manhole covers, etc., Shaft 24, Section A	"	"	4,931 19
Filling low ground, Shaft Site No. 12, Section 6	"	O'Brien & Clark	4,910 00
Cave-in, Shaft 13, Section 7	"	"	5,000 00
Laying 20" pipe along the incline adjacent to Shaft 24, Section A	"	"	2,895 83
Grouting near Shaft 17½, on Section 8	"	"	4,427 50
Grouting, Stations 778+00 and 779+30, Section 7	"	"	1,075 00
Grouting on Section 13	"	Rogers, Shanly & Co	5,000 00
Grouting near Shaft 30	"	Breuchaud, Pennell & Co	2,900 93
Lining Shaft 24, Section 8	"	McNeil Pipe and Foundry Co	987 32
Highway, trestle-work and bridges at Croton Dam, Section 1	"	Smith & Brown	4,500 00
Sodding the South Yonkers embankment on Section 9	"	Rider & Dougherty	1,575 57
Taking down and enlarging top of Shaft 11C, Section 5	"	C. L. Kalmbach	2,917 32
Walls, foundations, etc., near blow-off chamber, Shaft 25, Section 12	"	Charles Peterson	2,233 12
Frame head-house and engine-room at Shaft 25, Section 12	"	"	3,690 00
Frame boiler-house and coal-bin at Shaft 25, Section 12	"	"	3,635 00
9" anti-friction pump and improved turbine wheel, etc., Croton Dam Gate-house, Section 1	"	Joseph Edwards & Co	2,135 00
6 2' x 5' sluice-gates at Bog Brook and Sodom Dams	"	John Fox	4,200 00
Pivot gate, Bog Brook Dams 1 and 2	"	Coldwell, Wilcox & Co	2,445 00
Finishing Shaft 21	"	William H. Baker	1,660 81

	Estimate.	Contractor.		
Fence at Shaft 24	Final.	Francis V. Smith	$865 24	
Sodding, soiling and seeding slope and adjacent grounds at Shaft 24	"	John Twiname	900 90	
2 2' x 10' sluice-gates at Bog Brook Tunnel Gate-house	"	John Fox	2,750 00	
Two-story and attic frame office building	"	John Schlachter	4,650 00	
Bridge across Saw Mill river, near Shaft 12	"	Daniel Carpenter	816 50	
Cutting timber and clearing grounds at Reservoir "M," Purdy's Station	"	John L. Merritt	3,448 00	
Highway Bridge at Salem Centre, Reservoir "M"	"	Berlin Iron Bridge Co.	673 00	
Highway Bridge at Carmel, N. Y.	"	"	1,122 00	
Clearing grounds at Reservoir "M," near Purdy's Station, N. Y.	"	William Gilmour	1,150 00	
Furnishing cast-iron pipe—special castings, etc	"	Coldwell-Wilcox Co.	1,224 67	
Cutting timber and clearing grounds at Reservoir "D"	"	John Flanagan	3,800 00	
Furnishing screens, hoisting apparatus, New Croton Dam Gate-house	"	Coldwell-Wilcox Co.	3,559 00	
Highway Bridge at Cole's Mills	"	Berlin Iron Bridge Co.	1,390 00	
Three metal sluice gates in Gate-houses of Main and Auxiliary Dams, Reservoir "D"	"	John Fox	2,680 00	
Two metal sluice gates, etc., Gate-house of Main Dam, Reservoir "D"	"	Coldwell-Wilcox Co.	1,499 00	
				$152,801 31

Bailing, pumping and taking care of water on Section A	$1,669 73	
Pumping water in iron pipes, Section 12	6,063 65	
Pumping water in iron pipes, Section 13	5,405 00	
Pumping water in iron pipes, Section 14	7,935 00	
Iron pipe laid in tunnel, Section A	4,615 76	
Iron pipe laid in tunnel, Section B	980 50	
48-inch pipes at Shaft 11B	327 50	
48-inch stop-cock valves	4,500 00	
Ironwork, etc.—		
At shafts	21,832 56	
For gate-houses and blow-offs	20,647 71	
For dams	13,003 92	
Timber work, etc., at shafts and gate-houses	19,954 10	
Explorations under the Harlem river	4,384 26	
Experimental section in concrete, at Shaft 18	185 25	
Extra work, etc., on Section 1	4,616 03	
Extra work, etc., on Section 6	42 70	
Extra work, etc., on Section 12	171 35	

Extra work, etc., on Section 14	$696 21	
Extra work, etc., on Section 15	89 32	
Extra work, etc., on Section 16	668 98	
Extra work, etc., enlarging Shaft 11C	147 81	
Extra work, etc., on the Pocantico Gate-house	287 44	
Extra work, etc., on the eleven head-houses	325 64	
Extra work, etc., grading, improving and fencing grounds, One Hundred and Thirty-fifth Street Gate-house	256 73	
Extra work, etc., on Dams Nos. 1 and 2	444 31	
Extra work, etc., on blow-offs, etc., Shaft 24	615 24	
Extra work, etc., repairing roof, New Croton Gate-house	111 82	
Extra work, etc., head-house, Shaft 25	328 13	
Extra work, etc., Purdy's Dam	282 99	
Extra work, etc., grading, improving and fencing grounds at several of the shafts	749 01	
Extra work, etc., on two-story and attic frame office building, New Croton Dam	233 45	
Extra work, etc., on gate-house superstructure at Croton Dam	288 20	
Extra work, etc., on Carmel Dams	482 22	
		$122,342 52
Additional work, Section 9	$49 37	
Additional work, Section 12	65 73	
Additional work, Section A	1,609 56	
Additional work, East Branch Reservoir Dam	2,250 08	
Additional work, Dams Nos. 1 and 2	480 06	
Additional work, earth and masonry dam, Reservoir "M"	1,339 53	
Additional work, highways or roads, etc., at East Branch and Bog Brook Reservoirs	3,095 00	
Additional work, Shaft 21	95 85	
Additional work, two brick engine-houses	911 75	
Additional work, iron-lined masonry Aqueduct, near Shaft 30	2,000 00	
Additional work, grubbing and clearing grounds, Shaft 24	40 70	
Additional work, Shafts Nos. 15½ and 16	43 50	
Additional work, construction of New Croton Dam Gate-house	2,384 41	
Additional work, Reservoir "D"	3,078 12	
		17,443 66
Removing solid rock in Harlem river, near Shaft 25	$701 03	
Grading, etc., trenches, Quaker Bridge Dam site	150 00	
Grading and finishing the grounds adjacent Shaft 19⅝	125 00	
Surveys and topographical map, Croton Water-shed	7,000 00	
Soundings south of One Hundred and Thirty-fifth street	931 18	
Sinking Test Pits—		
Titicus river and Reservoir "D" dam sites	540 35	
Cornell Dam sites	63 56	

Hoisting-engines for shafts	$1,700 00	
Coating interior of Aqueduct with cement	8,384 37	
Telephone line	4,995 62	
Preparing, pumping, etc., inverted siphon sections	2,643 91	
Preparing the Aqueduct for permanent use	211 66	
Iron bridge on the East Branch of the Croton river	2,145 00	
Fencing around reservoirs, shaft sites, etc	2,020 43	
Drain in One Hundred and Sixty-seventh street and Amsterdam avenue	906 00	
Repairs, Janitor's house, New Croton Dam	47 42	
Furnishing cast-iron pipes—special castings, etc	3,873 70	
12-inch cast-iron water-pipe—Water supply, Sing Sing Prison, N. Y	1,419 93	
Filling excavations, etc., about Reservoir "M"	831 68	
Resurfacing portions of new roads, Reservoir "M"	695 49	
Placing cast-iron pipes and building rubble stone masonry to support same, Shaft 25	896 24	
Transfer of maintenance of New Highways	300 00	
Constructing culvert at Katonah, N. Y	1,750 00	
		$42,332 57
Commissioners of Appraisal—Awards.		
Twenty-fourth Ward	$163,090 47	
Manhattan Island Section	802,230 93	
Westchester County	934,698 47	
Putnam County Section	504,249 50	
		2,404,269 37
Commissioners of Appraisal.		
City and County of New York	$120,460 17	
Westchester County	617,174 69	
Manhattan Island Section	79,631 39	
Putnam County Section	185,897 19	
		1,003,163 44
Total expenditures		$31,175,433 82
Cr.		
Additional Water Stock	$30,495,000 00	
Premium account	607,168 70	
Additional Water Fund—"Miscellaneous"	39,898 23	
Total receipts		$31,142,066 93
Balance, Comptroller's account		33,366 89
		$31,175,433 82

Statement of Receipts and Expenditures of the Aqueduct Commissioners, July 1, 1896.

RECEIPTS.		
From Bonds Issued—		
Amount of bonds	$30,495,000 00	
Premiums on same	607,168 70	
From proceeds of miscellaneous sales, etc	39,898 23	
Total receipts		$31,142,066 93
EXPENDITURES.		
Vouchers, pay-rolls, etc	$4,100,892 43	
Contracts, agreements, etc	23,596,230 51	
Land and land damages	70,878 07	
Commissioners of Appraisal—		
Awards	2,404,269 37	
Fees of Counsel, Commissioners, etc	1,003,163 44	
Total expenditures	$31,175,433 82	
Balance, Comptroller's account		33,366 89
		$31,175,433 82

On motion of Commissioner Tucker, the minutes of meetings of June 3, 9, 17 and 29, 1896, were ordered approved.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, July 29, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works and Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee presented the following communication, received from the Chief Engineer:

NEW YORK, JULY 29, 1896.

To the Honorable Committee on Construction:

GENTLEMEN—Owing to the work at Jerome Park Reservoir, the telephone wires must be removed from the Old Aqueduct to Jerome avenue.

The Chief Engineer of the Department of Public Works estimates that the wire and labor necessary therefor would not cost more than $200. As the necessity for that work is due to the operations of the Aqueduct Commissioners, they should, I suppose, pay for it, and this is to ask you to authorize me to ask the Department of Public Works to do the work at your cost.

Very respectfully, A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolution:

Resolved, That authority is hereby granted to the Chief Engineer to have the telephone wires removed from the Old Aqueduct to Jerome avenue, as above set forth, at a cost of not to exceed two hundred dollars.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, Application has been made by John Twiname, contractor for constructing new highways and their appurtenances, etc. (Line No. 1 and Line No. 4), in the Town of Cortlandt, Westchester County, New York, for a further extension of time in which to complete said contract, and the Chief Engineer having recommended that an extension of time to October 1, 1896, be granted; therefore be it

Resolved, That an extension of time to October 1, 1896, be and hereby is granted to John Twiname in which to complete his contract for constructing new highways and their appurtenances, fences, etc. (Line No. 1 and Line No. 4), in the Town of Cortlandt, Westchester County, New York, provided his bondsmen shall, within ten days from the date hereof, enter into stipulations continuing their obligations for and during the completion of said contract under said extension of time, which is hereby allowed to him as further time for the performance of said contract; and provided also, that, in view of the non-completion of the permanent fences, he will, at his own expense, on the requisition of the Engineer, and under his direction, erect such temporary fences as may be found by the latter necessary for the proper protection of the public.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bill for taxes due the Town of Mount Pleasant, New York, for the year 1895, amounting to fifty-two dollars and ninety-two cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the claim of John Flanagan, relating to a contract made between this Commission and himself on March 1, 1895, for cutting timber and clearing grounds of Reservoir "D," near Carmel, Putnam County, New York, submitted on May 18 and 27, 1896, amounting to thirteen thousand nine hundred and sixty-two dollars and fifty cents, for compensation for hay which he claims to have been prevented from getting from cleared lands, be disallowed.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the bids opened July 22, 1896, from (1) John Palmer and Oscar Miersch, (2) William Gilmore, (3) John Twiname and (4) Patrick F. Curran, relating to the construction of fences at Reservoirs "D" and "M," be and the same are hereby rejected.

On motion of Commissioner Green, the same was adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11173 to 11184, inclusive, amounting to $2,759.21.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

JEFFERSON GROUB, Assistant to the Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, August 5, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works and Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit reported their examination and audit of estimates contained in Vouchers Nos. 11186 to 11188, inclusive, amounting to $70,894.67, and bills contained in Vouchers Nos. 11189 to 11201, inclusive, amounting to $301.43.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following preamble and resolution:

Whereas, In the opinion of the Aqueduct Commissioners, the further sum of five hundred thousand dollars will be required to defray the necessary and lawful expenditures of said Commissioners; now, therefore, be it

Resolved, That the Comptroller of the City of New York be and he is hereby requested to raise the sum of five hundred thousand dollars ($500,000) upon bonds of the City of New York, in conformity with the requirements of section 32, chapter 490, Laws of 1883, of the State of New York, for the uses and purposes of the Aqueduct Commissioners, as set forth in said chapter and section of said law.

The same was adopted by the following vote:

Affirmative—The Commissioner of Public Works and Commissioners Duane, Tucker, Cannon and Green—5.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

NOTE.—On Wednesday, August 12, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, August 19, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, August 26, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works and Commissioners Duane, Tucker and Green.

The Construction or Executive Committee recommended the adoption of the following resolutions:

Resolved, That, upon the recommendation of the Chief Engineer, the contract for constructing fences and their appurtenances at Reservoir "D," in the Towns of Carmel and Kent, Putnam County, N. Y., be and hereby is awarded to Patrick F. Curran at his bid of four thousand one hundred and forty-five dollars and sixty cents ($4,145.60), it being the lowest bid received and less than the estimate of the Chief Engineer.

Resolved, That, upon the recommendation of the Chief Engineer, the contract for constructing fences and their appurtenances at Reservoir "M," in the Town of North Salem, Westchester County, N. Y., be and hereby is awarded to William Gilmore at his bid of two thousand eight hundred and forty-five dollars ($2,845), it being the lowest bid received and less than the estimate of the Chief Engineer.

The same were adopted by the following vote:

Affirmative—The Commissioner of Public Works and Commissioners Duane, Tucker and Green—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment:

1st. Of E. & T. Fairbanks & Co., for testing and analyzing samples of bronze for bolts and nuts to use in gate-houses at Carmel dams, amounting to $30.

2d. Of Thomas Duffy, for filling wells and cesspools in the Katonah Triangle, amounting to $5.

3d. Of James McCartney, for use of horse and wagon and blacksmithing, amounting to $51.48.

4th. Of George W. Whitman, for inspecting cast-iron pipe, amounting to $120.

5th. Of J. F. Kemp, for report on foundation rock of New Croton Dam, amounting to $27.03.

6th. Of G. A. Hammond, First Helper, for expenses incurred in drilling at auxiliary dam at Carmel, N. Y., amounting to $16.38.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging the following-named persons on the dates set opposite their names, owing to the lack of work, be and hereby is approved :

George A. Hammond, First Helper, August 3, 1896 ; John Regan, Stoker, August 7, 1896 ; Michael Tierney, Laborer, August 15, 1896 ; Stephen Washburn, Laborer, August 15, 1896.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in reassigning to duty William James, Journeyman Machinist, on August 11, 1896, at a salary of three dollars per day, be and the same is hereby approved.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, an extension of time to August 26, 1896, be and hereby is granted to William H. Brodie & Co. in which to complete the contract made by said William H. Brodie & Co. on April 15, 1896, for furnishing three sets of iron trolley beams for stop-plank lifts and their appurtenances, and placing same at gate-houses at the main and auxiliary dams of Reservoir "D," near Carmel, Putnam County, N. Y. ; and at the Titicus Dam (Reservoir "M"), near Purdy's Station, Westchester County, N. Y. ; also an iron ladder, iron stairway, platform and railings, and placing same at the main dam Reservoir "D."

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution :

Whereas, The Chief Engineer of this Commission, under date of August 26, 1896, certified that, in his opinion, William H. Brodie & Co. have completely performed and carried out the provisions of the agreement made by them with this Commission on the 15th day of April, 1896, for furnishing three sets of iron trolley beams for stop-plank lifts and their appurtenances, and placing

same at gate-houses at the main and auxiliary dams of Reservoir "D," near Carmel, Putnam County, N. Y., and at the Titicus Dam (Reservoir "M"), near Purdy's Station, Westchester County, N. Y.; also an iron ladder, iron stairway, platform and railings, and placing same at the main dam, Reservoir "D," and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said agreement, and of the true value thereof; therefore be it

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by William H. Brodie & Co., under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said agreement be approved by the Aqueduct Commissioners and certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—The Commissioner of Public Works and Commissioners Duane, Tucker and Green—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, William Gray be and hereby is promoted from the grade of Transitman to that of Assistant Engineer, he having been certified by the Civil Service Commission as eligible for such promotion, his salary to remain the same as that now being paid to him.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of John Twiname for resurfacing new road leading from bridge below New Croton Dam to the Colabauch road, amounting to three hundred and forty-five dollars ($345), is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee presented a communication received from the Secretary, reporting that the sum of $635.66 had been received from Division Engineer Wegmann, being rental of buildings owned by the City of New York, and under the control of the Aqueduct Commissioners, in the Villages of Katonah and Croton Falls, New York, for the month of August, 1896, and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Tucker, the same was ordered filed.

The Committee also presented a communication received from the Secretary, reporting that the sum of $386.50 had been received from Division Engineer Wegmann, being net proceeds of sale at public auction of the "Katonah Silk Mill" and contents, situated in the Village of Katonah, Westchester County, New York, and stating that said amount had been transmitted

the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Tucker, the same was ordered filed.

The following was received from the Board of Estimate and Apportionment:

"Resolved, That the Comptroller be and hereby is authorized to pay the rent of rooms numbered 206, 207, 209, 211, 213, 214, 215, 216 and 217 in the Stewart Building, occupied and used as offices by the Aqueduct Commission, from May 1, 1896, to May 1, 1897, at the same rate as under the former lease, viz., ten thousand and two hundred dollars ($10,200) per annum.

"A true copy of resolution adopted by the Board of Estimate and Apportionment August 18, 1896.

CHAS. V. ADEE, Clerk."

Which was ordered spread upon the minutes and filed.

The Secretary gave notice of the filing of a lien by August Hecht against John Twiname, contractor, amounting to $107.84.

Which was ordered filed.

The Committee of Finance and Audit reported their examination and audit of final estimate contained in Voucher No. 11,211, amounting to $1,485, and of bills contained in Vouchers Nos. 11,212 to 11,228, inclusive, amounting to $889.89.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

NOTE.—On Wednesday, September 2, 1896, no quorum being present, the meeting stood adjourned.

JEFFERSON GROUB, Assistant to the Secretary.

NOTE.—On Wednesday, September 9, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, September 16, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works and Commissioners Duane, Tucker and Cannon.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Mrs. J. J. Hanney for washing towels for New Croton Dam Office, amounting to eight dollars and twenty-five cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolutions:

Resolved, That the action of the Chief Engineer in discharging Franklin G. Clark, Laborer at Reservoir "D," on August 26, 1896, on account of his failure to report for duty, be and hereby is approved.

Resolved, That the action of the Chief Engineer in discharging the following-named persons on September 8, 1896, owing to the lack of work, be and hereby is approved:

Samuel S. Austin, Foreman of Laborers; Richard Early, Jr., Laborer; Franklin O. Banks, Laborer; John Williams, Laborer; William McCoy, Laborer; Stephen Fuller, Laborer; Henry W. Vores, Laborer; Frank L. Peirano, Laborer; Arthur Smith, Laborer; James H. Laughlin, Laborer; Henry J. Tompkins, Laborer; Oscar Miersch, Driver with Team.

On motion of Commissioner Cannon, the same were adopted.

The Committee presented the following communication, received from the Chief Engineer:

NEW YORK, September 9, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—For the proper handling of the machinery contained in the Titicus and Carmel Dams there are wanted:

Six 5-ton differential blocks.
Two 4-ton differential blocks.
Two 1-ton differential blocks.
The cost will be under $1,075.

This is to ask you to authorize me to procure the same at the most advantageous price which can be obtained in the market, under the above amount.

Yours, respectfully, A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That the Chief Engineer be and hereby is authorized to procure the necessary differential blocks for the proper handling of the machinery contained in the Gate-houses at Titicus and Carmel Dams, as above set forth, at a price not to exceed $1,075.

On motion of Commissioner Cannon, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer :

NEW YORK, September 16, 1896.

To the Honorable the Committee on Construction :

GENTLEMEN—The old farmhouse occupied by the Janitor near the Engineer's office at the New Croton Dam requires some repairs, mainly about gutters, porch, windows, blinds, sidings, leaders and other items for the inside as well as to the outside.

Inasmuch as the office building is not occupied at night, I think it advisable that the Janitor should be located in the immediate vicinity, and the small house occupied by him should be kept tenantable.

The cost of the repairs to be made would be under $75. This is to ask you for authority to spend that sum.

Yours, respectfully, A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That authority be and hereby is granted to the Chief Engineer to have the repairs made to the house occupied by the Janitor of the New Croton Dam office, as above set forth, at a cost of not to exceed the sum of seventy-five dollars.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill due School District No. 7 of the Town of Yorktown, Westchester County, New York, for taxes for the year 1896, amounting to four dollars and seventy-nine cents, be and hereby is approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the Chief Engineer be and hereby is authorized to hire the necessary teams and to purchase such materials as he deems necessary to do the work required to be done at the auxiliary dam at Carmel, New York, for the purpose of taking care of the percolations that occur

through the rock formation under the dam at the south end, at an expense of not to exceed twenty-five hundred dollars.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in discharging Walter J. Sager, Foreman of the Diamond Drill Party, on August 19, 1896, owing to the lack of work, be and the same is hereby approved.

On motion of Commissioner Tucker, the same was adopted.

The Committee presented the following communication, received from the Chief Engineer :

NEW YORK, September 16, 1896.

To the Honorable the Committee on Construction :

GENTLEMEN—With our present knowledge of the foundation of the New Croton Dam, and with the experience gained from the erection of high embankments in connection with the other dams, I believe that the length of the main masonry part of the dam should be increased by about one hundred (100) feet.

Although this change was anticipated when the plans and specifications were prepared, and, notwithstanding a special stipulation as to possible future changes in that part of the dam, the proposed modification is of such importance as to cause me to call your attention to it and to ask your approval of such steps as I may have to take in that direction. Some of the approximate quantities indicated in the contract would be increased, others would be diminished, and the maximum height of the earth embankment would be substantially decreased.

The ultimate excess of cost due to the proposed change would be, approximately, $150,000. The time of construction would not be materially increased.

This change, in my judgment, should be made.

Yours, respectfully, A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That the Chief Engineer be and hereby is authorized to prepare the necessary plans and take the necessary steps looking to the increase of masonry at the New Croton Dam, as set forth in the above communication.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the accompanying bill due the Corporation of the Village of North Tarrytown for taxes for the year 1896, amounting to twenty-six dollars and nine cents, be and hereby is approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee presented a communication, received from the Secretary, reporting that sum of $589.33 had been received from Division Engineer Wegmann, being for rental of bu owned by the City of New York, and under the control of the Aqueduct Commissione

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Villages of Katonah and Croton Falls, New York, for the month of September, 1896, and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the same was ordered filed.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11235 to 11266, inclusive, amounting to $1,502.39, and of estimates contained in Vouchers Nos. 11230, 11232 and 11233, amounting to $65,292.46.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, September 23, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works, and Commissioners Duane, Tucker and annon.

The Construction or Executive Committee recommended the adoption of the following reso- tion:

Resolved, That the following bills for taxes for the year 1896 be and hereby are approved id ordered certified to the Comptroller for payment, viz.:

irst—School District No. 9, Town of Greenburgh, N. Y.	$20 20
econd—School District No. 6, Town of North Salem, N. Y.	126 82
hird—School District No. 3, Town of Cortlandt, N. Y.	44 43
ourth—School District No. 2, Town of North Salem, N. Y	85 77

On a motion of Commissioner Cannon, the same was adopted.

The Committee presented the following communication, received from the Chief Engineer:

NEW YORK, September 23, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—For reasons that I verbally made known to you on another occasion, and espe- ally on account of the character of the material found on the line where we expected to build a ep drain at the northwest end of the Jerome Park Reservoir, I have come to the conclusion that it proper to build the drain in tunnel instead of doing it in open trench as originally contemplated the contract. There being no price in the Jerome Park Reservoir contract for tunnel work, it ould become necessary to do the aforesaid work under a special contract.

I consequently and respectfully request that you authorize and instruct the Engineer to pre- re plans and specifications for this work.

As I think it advisable that the same contractor should drive the tunnel and ick structure to be contained therein, the specifications should be so arranged tire work, nearly 1,200 feet in length.

The estimated cost of the work is about $18,000, an amount that I may revise somewhat when the plan is fully elaborated.

Yours, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That the Chief Engineer be and hereby is authorized and instructed to prepare plans and specifications to carry out the work as set forth in the above communication.

On motion of Commissioner Tucker, the same was adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11271 to 11279, inclusive, amounting to $371.91.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, September 30, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee presented the following communication, received from the Chief Engineer :

NEW YORK, September 30, 1896.

To the Honorable the Committee on Construction :

GENTLEMEN—The new highways around the Carmel Reservoir have been finished for some time, and, inasmuch as the Town authorities do not express any desire to negotiate with you as to the transfer of the said highways to the Town, I respectfully suggest that the Aqueduct Commissioners communicate with the Highway Commissioners of the Towns of Carmel and Kent and notify them that the new highways, built in accordance with the Aqueduct Acts, are now completed and should be transferred to the Town authorities.

Mr. Dykman having already assisted you under similar circumstances in other towns, you may think it proper to take that action through him.

Yours respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution :

Resolved, That a copy of the above communication be transmitted to H. T. Dykman, Special Counsel for the City of New York, with request that he notify the Highway Commissioners of the Towns of Carmel and Kent, Putnam County, New York, that the new highways which have been built in accordance with the Aqueduct Acts are now completed and should be transferred to the Town authorities, and that he take such action as may be necessary to perfect such transfer.

On motion of Commissioner Green, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer, and recommended that the authority asked for therein be granted :

NEW YORK, September 30, 1896.

To the Honorable the Committee on Construction :

GENTLEMEN—The necessary pipes having been furnished by Messrs. R. D. Wood & Company at Shaft No. 25, I respectfully suggest that a portion of them which are to be built into the work no

being performed about the Gate-house be laid by the contractor in charge of the contract for the Harlem River Driveway under the Park Commissioners. It is practically impossible to perform that work under other conditions, as the pipes are to be imbedded in masonry which is a part of the contract for the Driveway. I have already seen the contractor, and I think that matters can be arranged on a reasonable basis.

This is to ask you to authorize me to make with the contractor such arrangements as in my judgment will best serve the interests of the City. The cost of the work will not exceed $1,200.

Yours respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Cannon, the recommendation was approved.

The Committee also presented the following :

LAW DEPARTMENT, OFFICE OF THE COUNSEL TO THE CORPORATION, NEW YORK, September 24, 1896.

Hon. JAMES C. DUANE, *President, Aqueduct Commission :*

SIR—I inclose you herewith a list of awards made by the Supreme Court Commission in the matter of the acquisition of property at Jerome Park for the construction of a reservoir, which was confirmed on August 22, 1896.

Under the statute the City is bound to pay these sums within four months after the date of confirmation, and I now call your attention to it in order that you may have the facts before you when you next have occasion to make a requisition for an issue of bonds by the Comptroller.

Yours very truly,

FRANCIS M. SCOTT, Counsel to the Corporation.

—and recommended the adoption of the following :

Whereas, The Counsel to the Corporation, in a written communication addressed to the President of this Commission, dated September 24, 1896, has transmitted a list of awards made by the Supreme Court Commission in the matter of the acquisition of property at Jerome Park for the construction of a reservoir, (which awards, together with counsel fees and interest, amount to about two million eleven thousand five hundred and twenty dollars and thirty-four cents,) and has stated that said awards were confirmed on August 22, 1896, and that, under the statute, the amount of said awards is a proper charge against the City of New York ; and

Whereas, In the opinion of the Aqueduct Commissioners, the sum of two million dollars will be required to pay said awards, and to defray other necessary and lawful expenditures of said Commissioners ; now, therefore, be it

Resolved, That the Comptroller of the City of New York be and he is hereby requested to raise the sum of two million dollars ($2,000,000) upon bonds of the City of New York, in conformity with the requirements of section 32, chapter 490, Laws of 1883, of the State of New York, for the uses and purposes of the Aqueduct Commissioners, as set forth in said chapter and section of said law.

The same was adopted by the following vote : Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee also recommended the adoption of the following resolutions :

Resolved, That the following bills for taxes for the year 1896 be and hereby are approved and ordered certified to the Comptroller for payment, viz. :

First—Sleepy Hollow Union Free School, District No. 2, Town of Mount Pleasant, New York	$20 60
Second—Town of Kent, School District No. 6, Putnam County, New York	55 02

Resolved, That the accompanying bill for taxes for the year 1895, due the Town of Somers, Westchester County, New York, amounting to ten dollars and seventy-seven cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same were adopted.

The Committee presented a communication, received from the Secretary, reporting that the sum of $37.35 had been received from Division Engineer Craven, being the net proceeds of sale at public auction of fruit at Reservoir "D," and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11281 to 11289, inclusive, amounting to $238.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, October 7, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works, and Commissioners Duane, Cannon and Green.

The Construction or Executive Committee recommended the adoption of the following resolution :

Resolved, That the action of the Chief Engineer in employing the following persons as Drivers, with teams, at the rate of four dollars per day, on the dates set opposite their names, for work at the Auxiliary Dam at Carmel, be and hereby is approved :

W. J. Corbin, September 30, 1896 ; David Lockwood, October 1, 1896 ; Hosea Curry, October 5, 1896.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment, viz. :

First—Of George W. Whitman, for inspecting special castings for overfall at Shaft No. 25, amounting to $30.

Second—Of E. & T. Fairbanks & Co., for testing bronze cap for stop-planks, amounting to $3.50.

Third—Of Horace Searles, for hauling stone monuments, amounting to $4.55.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That the Civil Service Boards be and hereby are requested to furnish the Aqueduct Commissioners with a sufficient number of names from which to select two persons to fill the position of Rodman in the Engineer Corps.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolutions:

Resolved, That the accompanying bill for taxes for the year 1896, due School District No. 10, Town of Yorktown, Westchester County, N. Y., amounting to thirty-one dollars and thirteen cents, is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the accompanying bill for taxes for the year 1896, due the Village of Ardsley, Westchester County, N. Y., amounting to thirty-nine dollars and forty cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Cannon, the same were adopted.

A communication was received from the Secretary reporting that the sum of $32 had been received from Division Engineer Craven, being net proceeds of sale of fruit at Reservoir "M," and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

A communication was also received from the Secretary reporting that the sum of $200.22 had been received from Division Engineer Wegmann, being amount collected for Town, County and State taxes in the Town of North Salem, Westchester County, N. Y., and for School District No. 1 of the Town of Somers, Westchester County, N. Y., for the year 1895, on property occupied in Croton Falls by John C. Purdy and A. B. Whitlock, said taxes having been heretofore paid by the Aqueduct Commissioners; and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11297 to 11311, inclusive, amounting to $664.16, and of estimates contained in Vouchers Nos. 11293 to 11296, inclusive, amounting to $80,287.29.

On motion of Commissioner Cannon, the same were approved and ordered certified to the Comptroller for payment.

The Comptroller, under date of September 30, 1896, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners for

Croton Falls	$1,560 00
Jerome Park Reservoir	12,755 70
Reservoir "D"	150 00
Reservoir "M"	31 81
Cornell Dam	4,326 00

—leaving a balance to the credit of the "Additional Water Fund" of $39,588.50.

Which was ordered entered upon the books of the Commissioners and filed.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, October 14, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11313 to 11323, inclusive, amounting to $1,279.06.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented forms of contract, specifications and bonds, received from the Commissioner of Public Works on October 14, 1896, to provide for excavating a tunnel and constructing a masonry drain at Jerome Park Reservoir, near Sedgwick avenue, in the Twenty-fourth Ward of the City of New York, and recommended the adoption of the following resolutions:

Resolved, That the forms of contract, specifications and bonds, submitted by the Commissioner of Public Works on October 14, 1896, and approved by the Counsel to the Corporation "as to form," for excavating a tunnel and constructing a masonry drain at Jerome Park Reservoir, near Sedgwick avenue, in the Twenty-fourth Ward of the City of New York, be and the same are hereby approved and adopted; and the Secretary is hereby directed to have triplicate copies thereof prepared for certification by the Aqueduct Commissioners, and filed in accordance with section 25, chapter 490, Laws of 1883.

Resolved, That the President and Secretary be and they are hereby directed to advertise in the CITY RECORD, "The Sun" and the "Evening Post," a notice and advertisement inviting sealed bids for excavating a tunnel and constructing a masonry drain at Jerome Park Reservoir, near Sedgwick avenue, in the Twenty-fourth Ward of the City of New York, as provided in the contract and specifications this day approved and adopted by the Aqueduct Commissioners.

The same were adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, Robert Hoyt, of Katonah, New York, and John D. Grannis, of Sing Sing, New York, be and they are hereby appointed to the position of "Rodman" in the Engineer Corps of the Aqueduct Commissioners, at a salary of seventy-five dollars per month, they having been certified by the Civil Service Commission as eligible for such appointment, the same to take effect from and after this date.

On motion of Commissioner Cannon, the same was adopted.

The Committee presented a report received from the Secretary stating that the sum of $7.04 had been received from Division Engineer Wegmann, being in payment for taxes paid by the City of New York for the year 1895, on property occupied by the Presbyterian Church at Croton Falls, Westchester County, N. Y., and that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

On motion of Commissioner Tucker, the minutes of meetings of July 15, 22 and 29, August 5 and 26, and September 16, 23 and 30, 1896, were ordered approved.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, October 21, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee presented the following communication, received from the Chief Engineer:

NEW YORK, October 21, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—The accompanying bill, to the amount of $51.78, is for extra work in connection with the work furnished by John Fox for brass and bronze work for Titicus and Carmel Dams. It is due to some changes and additions that I found necessary during the execution of the work.

Yours, respectfully,

A. FTELEY, Chief Engineer.

And recommended the adoption of the following resolution:

Resolved, That the accompanying bill of John Fox, for extra work in connection with the furnishing of composition metal work and fittings for the stop-planks at Reservoirs "M" and "D," as above set forth, amounting to fifty-one dollars and seventy-eight cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee presented a communication, received from the Secretary, stating that the sum of $579.33 had been received from Division Engineer Wegmann, being for rental of buildings owned by the City of New York, and under the control of the Aqueduct Commissioners, in the Villages of Katonah and Croton Falls, New York, for the month of October, 1896, and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11328 to 11341, inclusive, amounting to $2,016.91.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, October 28, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, November 4, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee report that at their meeting, held this day, the following resolution was adopted, and they now ask your approval of their action:

Resolved, That the bid-box be closed and the keys given to the President, and that the Secretary be authorized by this Commission to receive the bids for excavating a tunnel and constructing a masonry drain at Jerome Park Reservoir, near Sedgwick avenue, in the Twenty-fourth Ward of the City of New York, as called for in the approved forms of contract and specifications on file in the office of the Aqueduct Commissioners, and also to receive the checks of the bidders and to make the necessary preparations for opening the bids received for doing said work under the law.

On motion of Commissioner Cannon, the action of the Committee was approved.

Pursuant to the following notice, published daily for fifteen consecutive days, commencing with October 16, 1896, in the CITY RECORD, "The Sun" and the "Evening Post," bids were received for excavating a tunnel and constructing a masonry drain at Jerome Park Reservoir, near Sedgwick avenue, in the Twenty-fourth Ward of the City of New York:

AQUEDUCT COMMISSIONERS' OFFICE, ROOM 209, STEWART BUILDING, No. 280 BROADWAY, NEW YORK, October 15, 1896.

TO CONTRACTORS.

Bids or proposals for doing the work and furnishing the materials called for in the approved forms of contract now on file in the office of the Aqueduct Commissioners, for excavating a tunnel and constructing a masonry drain at Jerome Park Reservoir, near Sedgwick the Twenty-fourth Ward of the City of New York, will be received at this office u

November 4, 1896, at 3 o'clock P. M., and they will be publicly opened by the Aqueduct Commissioners as soon thereafter as possible, and the award of the contract for doing said work and furnishing said materials will be made by said Commissioners as soon thereafter as practicable.

Blank forms of said approved contract, and the specifications thereof, and bids or proposals and proper envelopes for their inclosure, form of bonds, and all other information, can be obtained at the above office of the Aqueduct Commissioners on application to the Secrerary.

By order of the Aqueduct Commissioners.

JAMES C. DUANE, President.

EDWARD L. ALLEN, Secretary.

The following bids received for excavating a tunnel and constructing a masonry drain at Jerome Park Reservoir, near Sedgwick avenue, in the Twenty-fourth Ward of the City of New York, upon which the required deposits had been made, were then opened and read aloud by the Secretary:

1. John B. McDonald	$12,684 50
2. Clinton Stephens, Jr	22,984 50
3. Clark & Co	12,594 22

Whereupon, on motion of Commissioner Green, the following preamble and resolution was adopted:

Whereas, Bids for excavating a tunnel and constructing a masonry drain at Jerome Park Reservoir, near Sedgwick avenue, in the Twenty-fourth Ward of the City of New York, having been received and publicly opened and read; therefore

Resolved, That the Chief Engineer is hereby directed to have said bids calculated and tabulated and submit the same, together with his estimate of the work, at a meeting of the Construction or Executive Committee of the Aqueduct Commissioners, to be held this day, for consideration and canvassing by them, and the bids and checks of the bidders so received are hereby referred to the Committee of Finance and Audit, for examination and report to the Commissioners as to their formality and the sufficiency of the sureties proposed by the bidders.

On motion of Commissioner Cannon, a recess was then taken.

Upon resuming the meeting there were present Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee presented the following communication, received from the Chief Engineer:

NEW YORK, November 4, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—I submit herewith the detailed Engineer's estimate of the cost of the work for the tunnel to be excavated at Jerome Park Reservoir, bids for which are to be opened to-day, the total being $14,309.50.

Yours, respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Cannon, the same was ordered spread upon the minutes and filed.

The Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging George Gallagher, Laborer at Reservoir "D," on October 24, 1896, on account of his leaving the work, be and hereby is approved.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment:

First—Of Mrs. C. S. Gowen, for rent of stable at Sing Sing, N. Y., amounting to thirty dollars.

Second—Of John A. Bennett, for chestnut fence posts, used to repair a culvert in Reservoir "D," amounting to six dollars and thirty-six cents.

On motion of Commissioner Tucker the same was adopted.

The Committee also recommended the adoption of the following preamble and resolution:

Whereas, The Chief Engineer of this Commission, under date of November 2, 1896, has certified that, in his opinion, John Twiname has completely performed and carried out the provisions of the contract made by him with this Commission on the 14th day of September, 1895, for constructing new highways and their appurtenances, fences, etc. (Line No. 1 and Line No. 4), in the Town of Cortlandt, Westchester County, New York, and has stated from actual measurements the whole amount of work done and materials furnished under and according to the terms of said contract, and of the true value thereof; therefore be it

Resolved, That the Aqueduct Commissioners do accept the work done and materials furnished by John Twiname under the contract above referred to, and direct that a proper voucher for the final payment for work done and materials furnished under said contract be approved by the Commissioners and certified to the Comptroller for payment.

The same was adopted by the following vote:

Affirmative—Commissioners Duane, Tucker, Cannon and Green—4.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment:

First—Of John Twiname, for additional work and materials supplied in furnishing top rail, used in the construction of new highways and their appurtenances, fences, etc. (Line No. 1 and Line No. 4), in the Town of Cortlandt, Westchester County, N. Y., amounting to nine hundred and ninety-eight dollars and eighty-four cents.

Second—Of John Twiname, for excavating for post-holes in rock for the construction of new highways and their appurtenances, fences, etc. (Line No. 1 and Line No. 4), in the Town of Cortlandt, Westchester County, N. Y., amounting to five hundred and seven dollars and sixty cents.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bill for taxes for the year 1896, due School District No. 6, Town of Carmel, Putnam County, New York, amounting to one hundred and ten dollars and seventy-nine cents ($110.79), is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended that the following resolution, adopted on June 29, 1896, be rescinded:

"Resolved, That, subject to the approval of the Board of Estimate and Apportionment, and in accordance with the advice of the Counsel to the Corporation, contained in a communication to the Comptroller under date of November 26, 1895, the accompanying bill of Frances E. Cornish for refund of taxes paid by her on Parcels Nos. 20, 22, 28 and 29 of Reservoir 'D,' amounting to sixty-five dollars and eighty-three cents ($65.83), is hereby approved and ordered certified to the Comptroller for payment."

—and, in lieu thereof, recommended the adoption of the following resolutions:

Resolved, That the accompanying bill of Frances E. Cornish for refund of taxes paid by her on Parcels Nos. 20, 22, 28, 29 and 31 of Reservoir "D," and on Parcels Nos. 60 and 61 of Gleneida Proceedings, amounting to sixty-five dollars and eighty-three cents ($65.83), is hereby approved and ordered certified to the Comptroller for payment.

Resolved, That the Board of Estimate and Apportionment is hereby requested to approve of said bill, and to amend their resolution of July 15, 1896, to conform to this action.

On motion of Commissioner Cannon, the recommendation was approved and the resolutions adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11348 to 11365, inclusive, amounting to $5,744.88, and of estimates contained in Vouchers Nos. 11345 to 11347, inclusive, amounting to $37,004.14.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

NOTE.—On Wednesday, November 11, 1896, no quorum being present, the meeting was adjourned to Thursday, November 12, 1896, at 3 o'clock P. M.

EDWARD L. ALLEN, Secretary.

Minutes of Adjourned Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Thursday, November 12, 1896, at 3 o'clock P. M.

Present—The Commissioner of Public Works and Commissioners Duane, Tucker and Cannon.

The Committee of Finance and Audit submitted the following:

The Committee of Finance and Audit report that they have examined the bids and checks received November 4, 1896, for excavating a tunnel and constructing a masonry drain at Jerome Park Reservoir, near Sedgwick avenue, in the Twenty-fourth Ward of the City of New York.

The checks, amounting to $3,000, were correct, and were transmitted to the Comptroller and his receipt therefor is on file.

On motion of Commissioner Tucker, the same was ordered filed.

The Construction or Executive Committee presented the following communication, received from the Chief Engineer:

NEW YORK, November 10, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—I submit herewith canvass of the bids which were opened on Wednesday, the 4th instant. The total amounts of the bids are as follows:

Clark & Co., No. 100 Broadway, City	$12,594 22
John B. McDonald, Kingsbridge, N. Y.	12,684 50
Clinton Stephens, Jr., Brooklyn, N. Y.	22,984 50

The Engineer's estimate as presented to you before the opening of the bids was $14,309.50.

Yours, respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Cannon, the same was ordered spread upon the minutes and filed.

The Committee recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, the contract for excavating a tunnel and constructing a masonry drain at Jerome Park Reservoir, near Sedgwick avenue, in the Twenty-fourth Ward of the City of New York, be and hereby is awarded to Clark & Co., at their bid of twelve thousand five hundred and ninety-four dollars and twenty-two cents ($12,594.22), it being the lowest bid received and less than the estimate of the Chief Engineer.

The same was adopted by the following vote :

Affirmative—The Commissioner of Public Works and Commissioners Duane, Tucker and Cannon—4.

The Committee of Finance and Audit reported their examination and audit of estimates contained in Vouchers Nos. 11367 and 11368, amounting to $52,098.11, and of bills contained in Vouchers Nos. 11369 to 11374, inclusive, amounting to $1,681.78.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

NOTE.—On Wednesday, November 18, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their office, No. 209 Stewart Building, on Wednesday, November 25, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit recommended the adoption of the following:

Whereas, The following vouchers in favor of H. B. Christensen, for maps furnished to the Aqueduct Commissioners from October 2, 1895, to September 24, 1896, heretofore approved by the Commissioners and certified to the Comptroller for payment, have been returned by the Finance Department for the reason that said Department has been informed of the death of said H. B. Christensen, viz.: No. 10811, amounting to one hundred and five dollars and nine cents; No. 10996, amounting to eighty dollars and seventy cents; No. 11136, amounting to fifty-nine dollars and forty-eight cents, and No. 11301, in favor of E. Christensen, amounting to twenty-eight dollars and eighty-seven cents; and

Whereas, It appears from a certificate of the Surrogate of Essex County, New Jersey, dated November 27, 1895, on file in the Finance Department, that Elvina Christensen is duly authorized to take upon herself the administration of the estate of Henry B. Christensen, deceased; therefore

Resolved, That the above-named vouchers be and hereby are ordered canceled, and new vouchers are hereby ordered drawn to conform to the facts as above set forth.

On motion of Commissioner Cannon, the same was adopted.

The Committee reported their examination and audit of bills contained in Vouchers Nos. 11381 to 11395, inclusive, amounting to $850.80.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee recommended the adoption of the following resolutions:

Resolved, That the action of the Chief Engineer in discharging James P. Rogers, Laborer at Reservoir "D," on November 19, 1896, on account of his having left the work, be and hereby is

Resolved, That the action of the Chief Engineer in discharging the following-named Drivers, with teams, on the dates set opposite their names, on account of the completion of the work, be and hereby is approved :

Hosea Curry, November 16, 1896; David Lockwood, November 16, 1896; W. J. Corbin, November 16, 1896; George R. Cole, November 18, 1896.

On motion of Commissioner Cannon, the same were adopted.

The Committee also recommended the adoption of the following resolution :

Resolved, That, upon the recommendation of the Chief Engineer, a leave of absence of two months, without pay, is hereby granted to Axeman Charles A. Thomas, on account of ill health, the same to take effect from December 1, 1896.

On motion of Commissioner Green, the same was adopted.

The Committee presented a communication, received from the Secretary, reporting that the sum of $10.56 had been received from Division Engineer Wegmann, being in payment for taxes on Parcel No. 357 of lands acquired for aqueduct purposes at Katonah, Westchester County, New York, formerly the estate of Green Thorn, and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

The Committee also presented a communication, received from the Secretary, reporting that the sum of $308.50 had been received from Division Engineer Wegmann, being for rental of building owned by the City of New York and under the control of the Aqueduct Commissioners on the Croton River Division of the New Aqueduct, for the month of November, 1896, and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

The following was received from the Board of Estimate and Apportionment :

"Whereas, The Board of Estimate and Apportionment, by a resolution adopted July 2, 1896, concurred in resolutions of the Aqueduct Commissioners adopted June 29, 1896, authorizing the refunding of certain amounts paid by private individuals on property acquired by the Aqueduct Commission; and

"Whereas, The Aqueduct Commissioners, by a resolution adopted November 4, 1896, qualified their former action by amending the description of the property upon which taxes had been paid by Frances E. Cornish, and requested the Board of Estimate and Apportionment to amend its resolution accordingly;

"Resolved, That said resolution of July 2, 1896, so far as it relates to the payments to be made to the said Frances E. Cornish, be and the same is hereby amended so as to read as follows :

"'Frances E. Cornish, for taxes paid on Parcels Nos. 20, 22, 28, 29 and 31 of Reservoir 'D,' and on Parcels Nos. 60 and 61 of Gleneida proceedings, $65.83.'

"A true copy of preamble and resolution adopted by the Board of Estimate and Apportionment November 19, 1896.

"CHAS. V. ADEE, Clerk."

On motion of Commissioner Cannon, the same was ordered spread on the minutes and filed.

The Comptroller, under date of October 31, 1896, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners for—

Cornell Dam	$5,110 40
Katonah	149 65
Reservoir "D"	3,926 00
Croton Falls	831 90
Reservoir "M"	1,209 55
Jerome Park Reservoir	8,988 26

—leaving a balance to the credit of the "Additional Water Fund" of $49,944.01.

Which was ordered entered upon the books of the Commissioners, and filed.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, December 2, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Construction or Executive Committee recommended the adoption of the following resolution:

Resolved, That the action of the Chief Engineer in discharging Charles E. Barnum, Laborer at Reservoir "D," on November 27, 1896, on account of his having left the work, be and hereby is approved.

On motion of Commissioner Cannon, the same was adopted.

The Committee also recommended the adoption of the ollowing resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the accompanying bill of Alonzo C. Outhouse, for shingling the roof of house owned by the City of New York and occupied by William Purdy, at the New Croton Dam, amounting to one hundred and ten dollars ($110), is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That, upon the recommendation of the Chief Engineer, the following bills are hereby approved and ordered certified to the Comptroller for payment, viz.:

First—Of George R. Cole, for hire of horses and wagons for machinists at Reservoir "D," amounting to twenty-six dollars and twenty-five cents.

Second—Of Daniel Carpenter, for labor and material used in constructing four boxes for cement-testing, amounting to thirteen dollars and ten cents.

Third—Of Daniel Carpenter, for repairs to Janitor's house, stable, fences and gates at New Croton Dam, amounting to sixty-two dollars and fifty-four cents.

On motion of Commissioner Green, the same was adopted.

The Committee also recommended the adoption of the following resolution:

Resolved, That the accompanying bill for taxes for the year 1896, due School District No. 10 of the Town of Carmel, Putnam County, New York, amounting to sixty-three dollars and ninety-six cents, is hereby approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Green, the same was adopted.

The Committee of Finance and Audit reported their examination and audit of bills contained n Vouchers Nos. 11398 to 11414, inclusive, amounting to $770.82.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

On motion of Commissioner Tucker, the minutes of meetings of October 7, 14, 21, November 4 and 12, 1896, were ordered approved.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

AQUEDUCT COMMISSION.

Minutes of Stated Meeting of the Aqueduct Commissioners, held at their Office, No. 209 Stewart Building, on Wednesday, December 9, 1896, at 3 o'clock P. M.

Present—Commissioners Duane, Tucker, Cannon and Green.

The Committee of Finance and Audit reported their examination and audit of estimates contained in Vouchers Nos. 11416 to 11419, inclusive, amounting to $80,885.89, and of bills contained in Vouchers Nos. 11420 to 11423, inclusive, amounting to $156.60.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Construction or Executive Committee presented the following communication, received from the Chief Engineer:

NEW YORK, December 9, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—Rodman Julian Thornley applies for a leave of absence, without pay, from December 11 to 24, both inclusive. I understand that he wants to attend to some private business.

Mr. Thornley's services are very satisfactory, and as he has this year had only six (6) days' vacation, while he has a right to two weeks, under the rules, with full pay, it is my intention to grant him the balance of the time to which he is entitled, but for the rest of the time I have to request and recommend that the Aqueduct Commissioners grant him a leave of absence without pay, which, for a few days, will not interfere with the work of the New Croton Dam Division, to which he belongs.

Yours, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That the leave of absence, as above set forth, be and hereby is granted, on the recommendation of the Chief Engineer.

On motion of Commissioner Green, the same was adopted.

The Committee also presented the following communication, received from the Chief Engineer:

NEW YORK, December 9, 1896.

To the Honorable the Committee on Construction:

GENTLEMEN—Owing to the great pressure to which our water-gates are subjected at the dams, I have been trying to reduce the friction of the machinery by means of such devices as may be indicated by our experience with that kind of apparatus, which may be considered somewhat novel.

For the above purpose I have asked the Albro-Clem Elevator Company, of Philadelphia, to send one of their representatives, with whom I had a conference, and they now offer, for the sum of $275, to furnish for one of our Titicus gates a style of worm-gearing, for which they have a well-established reputation, and which, I expect, will substantially facilitate the working of the gate.

This is to respectfully recommend that I be empowered to order the above-mentioned machinery for a sum not to exceed two hundred and seventy-five dollars ($275).

Yours, respectfully,

A. FTELEY, Chief Engineer.

—and recommended the adoption of the following resolution:

Resolved, That authority is hereby granted to the Chief Engineer to procure the above-mentioned machinery, at an expense of not to exceed two hundred and seventy-five dollars.

On motion of Commissioner Green, the same was adopted.

The Committee presented a communication, received from the Secretary, reporting that the sum of $2,163.60 had been received from Division Engineer Wegmann, being net proceeds of sale at public auction, on November 24, 1896, of buildings belonging to the City of New York, and under the control of the Aqueduct Commissioners, situated in the "Katonah Triangle," at Katonah, Westchester County, N. Y., and stating that said amount had been transmitted to the City Chamberlain for the credit of the "Additional Water Fund," and that his receipt therefor was on file.

On motion of Commissioner Cannon, the action of the Secretary was approved.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

Health will point out to him any specific cases in the way of nuisances, he will do all in his power to abate them.

Yours respectfully,

A. FTELEY, Chief Engineer.

On motion of Commissioner Cannon, the Secretary was directed to transmit to the Secretary of the Heights Taxpayers' Association a copy of the above report of the Chief Engineer.

The Committee of Finance and Audit reported their examination and audit of bills contained in Vouchers Nos. 11429 to 11446, inclusive, amounting to $501.87.

On motion of Commissioner Tucker, the same were approved and ordered certified to the Comptroller for payment.

The Comptroller, under the following dates, gave notice of the issue of warrants for the payment of vouchers not certified to by the Aqueduct Commissioners, as follows:

February 29, 1896.

Cornell Dam	$3,453 41
Reservoir "I"	100 00
Reservoir "D"	557 90
Croton Falls	1,710 00
Jerome Park Reservoir	251 50
Sodom Dam	1,181 99
Reservoir "M"	323,706 05

And stating that bonds had been issued for the credit of the "Additional Water Fund," as follows:

February 6, 1896	$100,000 00
February 25, 1896	300,000 00
Leaving a balance to the credit of said fund of	$3,355 63

March 31, 1896.

Reservoir "M"	$10,181 80
Katonah Triangle	580 00
Reservoir "D"	2,795 00
Cornell Dam	875 00
Reservoir "I"	563 16
Croton Falls	165 55
Jerome Park Reservoir	963 51

And stating that on March 5, 1896, bonds had been issued for the credit of the "Additional Water Fund," for $100,000 00

Leaving a balance to the credit of said fund of $39,72

April 30, 1896.

Reservoir "D"	$13,394 14
Brewsters and Reservoir "D"	780 00
Jerome Park Reservoir	392 26
Croton Falls	1,620 00
Reservoir "M"	350 00
Cornell Dam	177,743 14

And stating that bonds had been issued for the credit of the "Additional Water Fund," as follows:

April 16, 1896	$200,000 00
April 30, 1896	100,000 00
Leaving a balance to the credit of said fund of	$88,308 49

June 30, 1896.

Cornell Dam	$4,001 35
Reservoir "D"	719 96
Jerome Park Reservoir	3,746 12
Croton Falls	2,166 45
Reservoir "M"	1,017 40
Katonah, Section No. 1	656 25
Katonah Triangle	693 26
New Croton Dam, Cornell site	120 00

And stating that on June 5, 1896, bonds had been issued for the credit of the "Additional Water Fund," for $100,000 00

Leaving a balance to the credit of said fund of $13,578 72

July 31, 1896.

Cornell Dam	$3,771 34
Reservoir "D"	3,705 55
Reservoir "M"	419 85
Jerome Park Reservoir	4,107 12
Croton Falls	2,076 80
Reservoir "D," Third section	566 66
Sodom Dam	184 60
New York Section	340 00
Reservoir "I"	246 00
Westchester County Section	205 90

And stating that bonds had been issued for the credit of the "Additional Water Fund," as follows:

July 17, 1896	$[illegible]
July 27, 1896	[illegible]
July 30, 1896	[illegible]
July 31, 1896	[illegible]
Premium	$[illegible]
Warrant No. 347, cancelled	[illegible]
Leaving a balance to the credit of said fund	$104,317 07

August 31, 1896.

Cornell Dam	$[illegible]
Jerome Park Reservoir	5,002 10
Croton Falls	1,448 85
Katonah Triangle	780 00
Reservoir "M"	3,370 75
Reservoir "D"	595 03
Town of Bedford, Westchester County	100 00

And stating that bonds had been issued for the credit of the "Additional Water Fund," as follows:

August 1, 1896	$20,000 00
August 10, 1896	100,000 00
Premium	550 00
Leaving a balance to the credit of said fund of	$149,491 80

November 30, 1896.

Reservoir "D"	$880 50
Cornell Dam	703 33
Jerome Park Reservoir	737 68
Croton Falls	1,820 85
Reservoir "M"	17 00
Leaving a balance to the credit of the "Additional Water Fund" of	$2,821,461 83

Which were ordered entered upon the books of the Commissioners, and filed.

The Commissioners then adjourned.

EDWARD L. ALLEN, Secretary.

NOTE.—On Wednesday, December 30, 1896, no quorum being present, the meeting stood adjourned.

EDWARD L. ALLEN, Secretary.

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